VIMA

RK-500

Owner's Manual

Roland®

WARNING: To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

ATTENTION: RISQUE DE CHOC ELECTRIQUE NE PAS OUVRIR

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK).
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

INSTRUCTIONS PERTAINING TO A RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS.

IMPORTANT SAFETY INSTRUCTIONS
SAVE THESE INSTRUCTIONS

WARNING - When using electric products, basic precautions should always be followed, including the following:

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with a dry cloth.
7. Do not block any of the ventilation openings. Install in accordance with the manufacturers instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

For the U.K.

WARNING: THIS APPARATUS MUST BE EARTHED
IMPORTANT: THE WIRES IN THIS MAINS LEAD ARE COLOURED IN ACCORDANCE WITH THE FOLLOWING CODE.
GREEN-AND-YELLOW: EARTH, BLUE: NEUTRAL, BROWN: LIVE

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured GREEN-AND-YELLOW must be connected to the terminal in the plug which is marked by the letter E or by the safety earth symbol ⏚ or coloured GREEN or GREEN-AND-YELLOW.

The wire which is coloured BLUE must be connected to the terminal which is marked with the letter N or coloured BLACK.

The wire which is coloured BROWN must be connected to the terminal which is marked with the letter L or coloured RED.

Before using this unit, carefully read the sections entitled: "IMPORTANT SAFETY INSTRUCTIONS," "USING THE UNIT SAFELY" (p. 12), and "Important Notes" (p. 15). These sections provide important information concerning the proper operation of the unit. Additionally, in order to feel assured that you have gained a good grasp of every feature provided by your new unit, owner's manual should be read in its entirety. The manual should be saved and kept on hand as a convenient reference.

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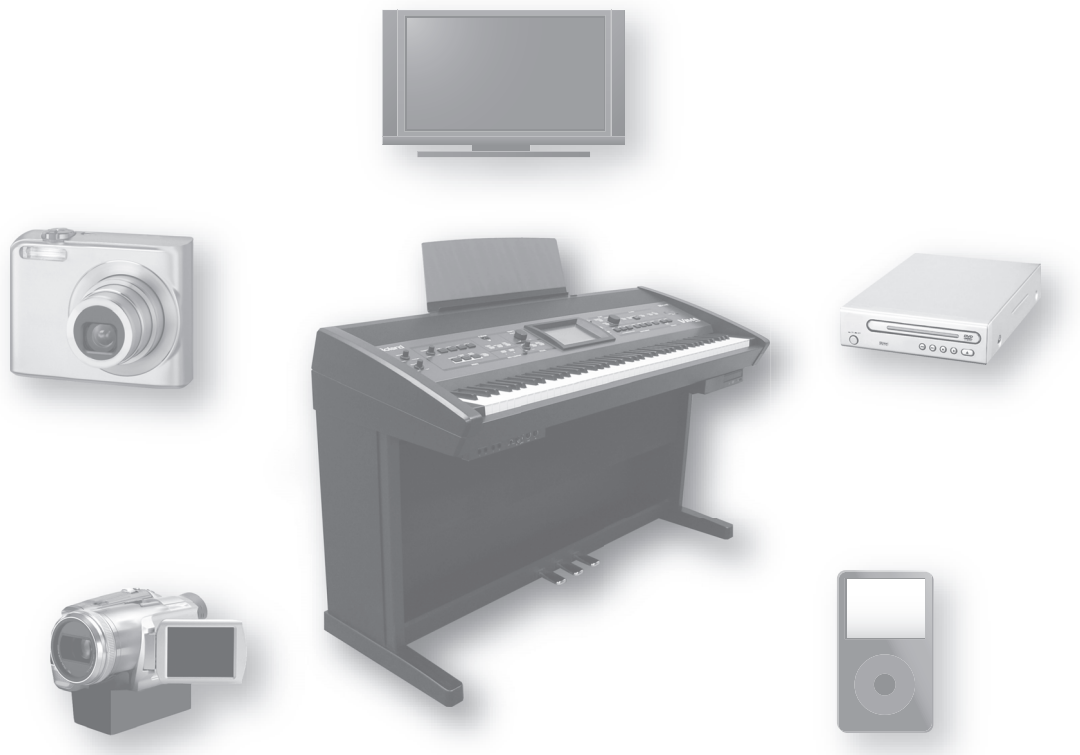
Look at All You Can Do with the VIMA



What is the VIMA?

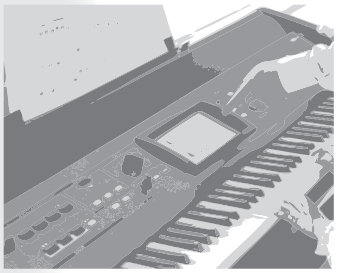
The VIMA is a new concept of keyboard that allows even musically inexperienced people to connect a LCD television, video camera, portable audio player, or other devices, and enjoy music and video.

Free and easy

Simple and functional design

p. 18

The VIMA's large buttons and clearly labeled are easy to see and press, making operation simple.
The panel design groups the operating buttons by their purpose, so you'll be able to quickly accomplish what you want to do.



Large LCD display for good visibility and easy operation

p. 19, 33

The VIMA's large LCD display is operated simply by touching the screen. This screen also lets you view the image from a video device connected to the VIMA.

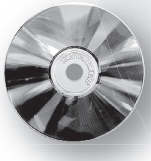
Sing with your family and friends

Enjoy singing together

p. 54–58, 64–65, 80

You can display lyrics or a notation on a television connected to the VIMA, and enjoy full-fledged karaoke at home.
You can also change the tempo of the song for more comfortable singing, or change the pitch to be appropriate for the range of the singer.

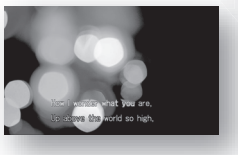
Since two microphones can be connected, two people can sing together.
You can also add reverberation to your voice for greater singing enjoyment, apply effects to transform a female voice into a male voice, or add harmony.



Enjoy karaoke with music CDs

p. 59

You can minimize the vocal sounds from a commercially available music CD, and enjoy karaoke.



Sing with a slide show in the background

p. 74–76

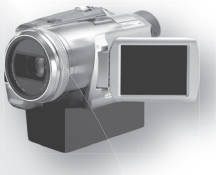
When playing one of the VIMA's internal songs, you can enjoy karaoke while watching a slide show that's suitable for the atmosphere of the song. You can also connect your digital camera and view your own photographs as a slide show.

Look at All You Can Do with the VIMA

Enjoy video

Enjoy home videos or DVD video

p. 68–71



DVD video or videos you've shot with your video camera can be shown on a large screen, such as a plasma television connected to the VIMA, while you enjoy performing with the video in the background.

Enjoy a slide show of pictures filled with memories

p. 75

You can also enjoy a slide show using vacation or family photos you've taken with your digital camera.

Use a large screen to enjoy video from a portable audio/video player

p. 72

Video from your portable audio/video player can be viewed on a large television connected to the VIMA while you enjoy powerful sound from the VIMA's speakers.

Switch between images that match the feeling of the song

p. 78

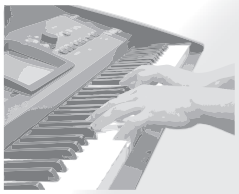
While you perform, you can switch images suitable for each song from a video camera, DVD player, or portable audio/video player connected to the VIMA.

Watch the piano roll screen to enjoy music visually

p. 66

When you play back a song, the keys displayed in the screen will move automatically, and a piano roll will indicate the pitch and duration of each note.

Perform



Perform using instrumental sounds appropriate for each song

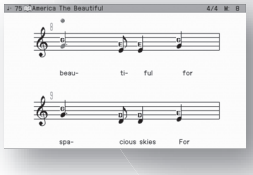
p. 84

If you're performing while listening to one of the VIMA's internal songs, you'll be able to conveniently choose "Recommended tones" that are suitable for that song. You'll also be able to watch a slide show that is appropriate for the character of the song.

Serious piano performance capability

p. 29, 112

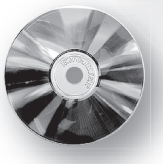
The VIMA gives you full-fledged piano performance capability with three pedals and high-quality grand piano sounds. You can also change the keyboard's touch sensitivity as appropriate for the playing strength of the player.



Play the melody along with the song

p. 94–95

When listening to the VIMA's internal songs or to SMF music files, you can decrease or eliminate the melody and play it yourself.



Increase your repertoire using CD-ROMs created especially for the VIMA (VIMA TUNES)

p. 34, 151

By taking advantage of CD-ROMs created specifically for VIMA (VIMA TUNES), you can add to the VIMA's internal songs and enjoy songs from a wide range of musical styles.

Record your performances

Record the music you play

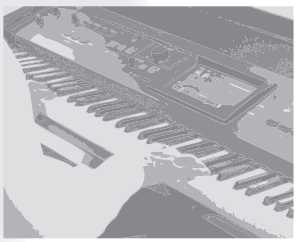
p. 97, 99

You can record the music you play on the VIMA. You can also record yourself playing along with the VIMA's internal songs or with SMF music files.

Copy your recorded songs to USB memory

p. 102, 108

After recording a song, you can save it in "Favorites" (internal memory) and listen to it later. The songs you record can also be copied to USB memory for backup.



Introduction

Thank you, and congratulations on your choice of the VIMA (RK-500). To ensure that you obtain the maximum enjoyment and take full advantage of the VIMA's functionality, please read this owner's manual carefully.

About the Manual

The VIMA's documentation consists of two volumes; an application guide and an owner's manual.

You should first read the "Before You Play" section of the owner's manual (this document). This explains how to connect the power cord and turn on the power.

After you've turned on the power, read the application guide. Reading through the application guide will help you understand the possibilities that the VIMA provides.

The owner's manual covers everything from the basic operations you need in order to play the VIMA, to more advanced setups in which you connect various devices to the VIMA and enjoy music and video.

Conventions in this Manual

In order to explain the operations as clearly as possible, this manual uses the following conventions.

- Text enclosed in square brackets [ ] indicates the name of a button or a knob, such as the [ECHO] button.
- Text enclosed in angle brackets < > indicates text that appears in the screen, such as <Menu>.
- For ease of reading, some of the screen illustrations use color that differs from the actual screen of the VIMA. Please be aware that these may differ from the appearance of the actual screen.
- When the manual instructs you to "touch" something, it means that you should touch that location in the touch panel screen.
- Lines that begin with **NOTE** or an asterisk * are cautionary statements that you must be sure to read.
- The numbers of pages that you can turn to for additional, related information are given like this: (p. **).
- This document uses screen shots for explanatory purposes. Please be aware that the settings in these explanatory screen shots may not match the actual factory settings (Tone names, etc.).

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USING THE UNIT SAFELY

INSTRUCTIONS FOR THE PREVENTION OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS

About ⚠WARNING and ⚠CAUTION Notices

⚠WARNING	Used for instructions intended to alert the user to the risk of death or severe injury should the unit be used improperly.
⚠CAUTION	Used for instructions intended to alert the user to the risk of injury or material damage should the unit be used improperly. * Material damage refers to damage or other adverse effects caused with respect to the home and all its furnishings, as well to domestic animals or pets.

About the Symbols

⚠	The △ symbol alerts the user to important instructions or warnings.The specific meaning of the symbol is determined by the design contained within the triangle. In the case of the symbol at left, it is used for general cautions, warnings, or alerts to danger.
	The ⃠ symbol alerts the user to items that must never be carried out (are forbidden). The specific thing that must not be done is indicated by the design contained within the circle. In the case of the symbol at left, it means that the unit must never be disassembled.
	The ● symbol alerts the user to things that must be carried out. The specific thing that must be done is indicated by the design contained within the circle. In the case of the symbol at left, it means that the power-cord plug must be unplugged from the outlet.

ALWAYS OBSERVE THE FOLLOWING

⚠WARNING

Safety grounding connection

Connect mains plug of this model to a mains socket outlet with a safety grounding connection.

Do not disassemble or modify

Do not disassemble or modify this device.

Do not repair or replace parts

Never attempt to repair this device or replace parts. If repair or part replacement should become necessary, you must contact your dealer or a Roland service center.

Do not use or store in the following types of locations

- Locations of extremely high temperature (such as in direct sunlight, near heating equipment, or on a device that generates heat)
- Near moisture (such as in a bathroom, near a sink, or on a wet floor) or in locations of high humidity
- Locations exposed to rain
- Locations of excessive dust
- Locations subject to heavy vibration

Do not place in an unstable location

Do not place this device on an unstable stand or a tilted surface. You must place it in a stable and level location.

Connect the power cord to an outlet of the correct voltage

You must connect the power cord to an AC outlet of the correct voltage as marked on the device.

⚠WARNING

Use only the included power cord

You must use only the power cord included with the device. Do not use the included power cord with any other device.

Do not bend the power cord or place heavy objects on it

Do not bend the power cord excessively, or place heavy objects on the power cord. Doing so will damage the power cord, and may cause short circuits or faulty connections, possibly resulting in fire or electrical shock.

Do not share an outlet with an unreasonable number of other devices

Do not connect excessive numbers of electrical devices to a single power outlet. In particular, when using a power strip, exceeding the rated capacity (watts/amps) of the power strip may cause heat to be generated, possibly melting the cable.

Avoid extended use at high volume

This device, either by itself or used in conjunction with headphones, amps, and/or speakers, is capable of producing volume levels that can cause permanent hearing damage. If you experience impaired hearing or ringing in your ears, immediately stop using the device and consult a medical specialist.

Do not insert foreign objects

Never allow foreign objects (flammable objects, coins, wires, etc.) to enter this device.
This can cause short circuits or other malfunctions.

⚠WARNING

Turn off the power if an abnormality or malfunction occurs

If any of the following should occur, immediately turn off the power, disconnect the power cord from the AC outlet, and contact your dealer or a service center to have the device serviced.

- The power cord is damaged
- The device produces smoke or an unusual smell
- A foreign object enters the device, or liquid spills into the device
- The device becomes wet (by rain, etc.)
- An abnormality or malfunction occurs in the device

Do not allow children to use without supervision

In households with children, take particular care against tampering. If children are to use this device, they must be supervised or guided by an adult.

Do not drop or subject to strong impact

Do not drop this device or subject it to strong impact.

Do not use overseas

If you wish to use this device overseas, please contact your dealer or a service center.

Do not recharge, heat, or disassemble the batteries Do not incinerate or submerge in water

Do not recharge, heat, or disassemble the batteries, or incinerate them or submerge them in water.

Do not use a CD-ROM in an audio CD player or DVD player

If you attempt to play back a CD-ROM in a conventional audio CD player or DVD player, the resulting high volume may damage your hearing or your speakers.

Do not place containers of water on the device

Do not place containers of water (such as a flower vase) or drinks on the device. Nor should you place containers of insecticide, perfume, alcoholic liquids, nail polish, or spray cans on the device. Liquids that spill into the device may cause it to malfunction, and may cause short circuits or faulty operation.

⚠CAUTION

Place in a well ventilated location

When using this device, ensure that it is placed in a well ventilated location.

Grasp the plug when connecting or disconnecting the power cord

When connecting or disconnecting the power cord to/from an AC outlet or the device itself, you must grasp the plug, not the cord.

Periodically wipe the dust off the power cord plug

From time to time, you should unplug the power cord from the AC outlet and use a dry cloth to wipe the dust off of it. You should also unplug the power cord from the AC outlet if you will not be using the device for an extended period of time. Dust or dirt that accumulates between the power cord plug and the AC outlet can cause a short circuit, possibly resulting in fire.

Manage cables for safety

Ensure that the connected cables are organized and managed in a safe manner. In particular, place the cables out of reach of children.

Do not stand or place heavy objects on this device

Do not stand on this device, or place heavy objects on it.

Do not connect or disconnect the power cord with wet hands

Do not connect or disconnect the power cord to the device or AC outlet while holding the power cord plug with wet hands.

Cautions when moving this device

When moving this device, please check the following cautions. Then, make sure that at least two persons work together in lifting and carrying the device, all the while making sure to keep it level. When doing so, be careful not to pinch your hands or drop the device on your feet.

- Check whether the knob bolts fastening the device to its stand have become loose. If they are loose, tighten them firmly.
- Disconnect the power cord.
- Disconnect external devices.
- Raise the adjuster of the stand.
- Remove the music rest.
- If you've connected separately available items, such as a DVD stand (DST-RK500) or camera stand (BST-RK500), remove them.

⚠ CAUTION

Unplug the power cord from the AC outlet before cleaning

Before you clean the device, turn off the power and unplug the power cord from the AC outlet (p. 24).

If there is a possibility of lightning strike, disconnect the power cord from the AC outlet

If there is a possibility of lightning strike, immediately turn off the power and disconnect the power cord from the AC outlet.

Cautions when using batteries

Batteries may leak or burst if they are used incorrectly. Please observe the following cautions (p. 51).

- When inserting batteries, carefully observe the correct polarity ("+" and "-").
- Do not mix new and partially used batteries, or batteries of different types.
- If you will not be using the device for an extended period of time, remove the batteries.
- If the batteries have leaked, use a soft dry cloth to carefully wipe the liquid off the battery compartment, and install new batteries. If liquid that leaks from a battery contacts your skin, it may cause skin irritation. Battery liquid that gets into your eye is dangerous; immediately wash out your eye with water.
- Do not carry or store batteries together with metallic objects such as pens, necklaces, or hairpins.

Cautions when using the seat

You must observe the following cautions when using the seat.

- Do not play with the seat or use it as a stepstool.
- Do not allow two or more people to sit on the seat simultaneously.
- Do not adjust the height while you're sitting on the seat.
- Do not sit on the seat if the bolts fastening the legs are loose. (If they are loose, use the included tool to retighten them.)
- Never put your hand into the gap under the seat (the metallic portion of the raising mechanism). You risk pinching or injuring your hand.

⚠ CAUTION

Keep small items out of the reach of children

To prevent small items such as the following from being swallowed accidentally, keep them out of the reach of children.

- Included items
  - Screws for assembling the stand
  - Wing nut for headphone hook
- Removed parts
  - Music rest attachment screws
  - External memory connector cover screws
  - External input jack cover

Important Notes

In addition to the "USING THE UNIT SAFELY" listed on page 12, please observe the following cautions.

Power Supply

- Do not connect this device to the same electrical outlet as an inverter-controlled device such as a refrigerator, microwave oven, or air conditioner, or a device that contains an electric motor. Depending on how the other device is used, power supply noise could cause this device to malfunction or produce noise. If it is not practical to use a separate electrical outlet, please connect this device via a power supply noise filter.
- Batteries are included with this device. These batteries are for the purpose of testing the operation of this device, and their lifespan may be shorter than normal.
- Before you make connections, you must switch off the power on all devices to prevent malfunction and/or speaker damage.
- When you turn off the power, the screen and indicators of this device will go dark, but this does not mean that the main power supply is completely disconnected. If you need to completely shut off the power supply, turn off the power switch of this device and then unplug it from the AC outlet. Connect this device to an AC outlet that is as close and accessible as possible.

Location

- If this device is placed near devices that contain large transformers, such as power amps, hum may be induced in this device. If this occurs, move this device farther away or change its orientation.
- If this device is operated near a television or radio, color distortion may be seen in the television screen or noise may be heard from the radio. If this occurs, move this device farther away.
- Keep your cell phone powered off or at a sufficient distance from this device. If a cell phone is nearby, noise may be heard when a call is received or initiated, or during conversation.
- Do not leave this device in direct sunlight, near devices that produce heat, or in a closed-up automobile. Do not allow illumination devices operated in close proximity (such as a piano light) or powerful spotlights to shine on the same location on this device for an extended time. This can cause deformation or color change.
- If you move this device between locations of radically different temperature or humidity, water droplets (condensation) may form inside the device. Using the device in this condition will cause malfunctions, so please allow several hours for the condensation to disappear before you use the device.
- Do not allow items made of rubber or vinyl to remain on top of this device for an extended time. This can cause deformation or color change.
- Do not leave objects on top of the keyboard. This can cause malfunctions such as failure to sound.
- Do not affix adhesive labels to this device. The exterior finish may be damaged when you remove the labels.

Care

- For everyday care, wipe with a soft dry cloth, or remove stubborn dirt using a tightly wrung-out cloth. If this device contains wooden components, wipe the entire area following the direction of the grain. The finish may be damaged if you continue strongly rubbing a single location.
- If water droplets should adhere to this device, immediately wipe them off using a soft dry cloth.
- Do not use solvents such as benzene, thinner, or alcohol, since these can cause deformation or color change.
- The pedals of this device are made of brass.
  Brass has a natural tendency to oxidize and become tarnished. If this occurs, use a commercially available metal polish.

Servicing

- If you return this device for servicing, the contents of memory may be lost. Please store important contents on USB memory, or make a note of the contents. We take utmost care to preserve the contents of memory when performing service, but there may be cases when the stored content cannot be recovered because the memory section has malfunctioned. Please be aware that we cannot accept responsibility for the recovery of lost memory content or for any consequences of such loss.

Other Cautions

- Stored content may be lost due to a malfunction of the device or because of inadvertent operation. You should back up important content on USB memory as a safeguard against such loss.
- We cannot accept responsibility for the recovery of any content lost from internal memory or USB memory, or for the consequences of such loss.
- Do not apply excessive force to the buttons, knobs, or input/output jacks, since this may cause malfunctions.
- Do not apply strong pressure to the display or strike it.
- The display may emit a slightly audible sound, but this is not a malfunction.

- When connecting or disconnecting cables, grasp the plug (not the cable) to prevent short circuits or broken connections.
- This device may produce a certain amount of heat, but this is not a malfunction.
- Please enjoy your music in ways that do not inconvenience other people nearby, and pay particular attention to the volume at nighttime. Using headphones will allow you to enjoy music without having to be concerned about others.
- When transporting or shipping this device, package it in an appropriate amount of cushioning material. Scratches, damage, or malfunctions may occur if you transport it without appropriate packaging.
- Dispose of used batteries in compliance with the refuse sorting and collection regulations applicable to your area.
- If using the music rest, do not apply excessive force to it.
- Use only the specified expression pedal (EV-7; available separately). Connecting a pedal made by a different manufacturer may cause this device to malfunction.
- Some connection cables contain a resistor. Do not connect such cables to this device. Doing so may make the volume extremely low or inaudible. Please use connection cables not containing a resistor.
- In order to provide the highest possible image quality, the VIMA uses a TFT liquid crystal display. Due to the nature of a TFT liquid crystal display, the screen may contain pixels that fail to light or that remain constantly lit, but please be aware that this is not a malfunction or defect.

Before Using the External Memory Connector

External Memory Connector Handling

- When connecting USB memory, firmly insert it all the way in.
- Do not touch the pins of the USB memory connector, or allow them to become dirty.
- USB memory is made using high-precision electronic components, so please observe the following points when handling it.
  - To prevent damage from static electrical charges, discharge any static electricity that might be present in your body before handling USB memory.
  - Do not touch the terminals with your fingers or any metal object.
  - Do not bend or drop USB memory, or subject it to strong impact.
  - Do not leave USB memory in direct sunlight or in locations such as a closed-up automobile. (Storage temperature: 0–50 degrees C)
  - Do not allow USB memory to become wet.
  - Do not disassemble or modify USB memory.
- When connecting USB memory, position it horizontally with the external memory connector and insert it without using excessive force. The external memory connector may be damaged if you use excessive force when inserting USB memory.
- Do not insert anything other than USB memory (e.g., wire, coins, other types of device) into the external memory connector. Doing so will damage the external memory connector.
- Do not apply excessive force to the connected USB memory.
- If you will not be using USB memory for an extended period of time, close the USB memory cover.

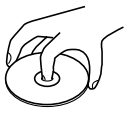
Before Using the CD Drive

CD Drive Handling

- Water droplets may form inside the CD drive if you move it to a location of radically different humidity. Using the drive in this condition will cause malfunctions, so please allow several hours for the condensation to disappear before you use the drive.
- Remove the disc from the disc tray before you turn the power on or off.
- Do not insert anything (wire, coins, other types of media) into the disc tray other than discs bearing the "COMPACT disc DIGITAL AUDIO" logo. Doing so will cause the CD drive to malfunction.
- Do not subject the CD drive to vibration or shock while it is in use, or move it while its power is on.
- The pickup is designed to be dust-proof. Do not use pickup cleaner or similar products, since this may cause malfunctions.

CD Handling

- Observe the following points when handling CDs.
  - Do not touch the recording surface of the CD.
  - Do not use CDs in excessively dusty locations.
  - Do not place CDs in direct sunlight or in locations such as a closed-up automobile. (Storage temperature: 10–50 degrees C)
- Do not touch or scratch the recording surface of a CD. Doing so may render the data unreadable. If a CD becomes soiled, clean it using a commercially available CD cleaner.
- Keep CDs in their case when not in use.
- Do not leave a CD in the CD drive for an extended period of time.
- Bending a CD may make it unreadable and cause malfunctions.
- To hold a CD, insert a finger into the center hole and grasp it between the hole and the outer edge. Do not allow fingerprints or scratches to mar the recording surface of the CD.



- Do not drop CDs or stack them.
- Do not place heavy objects on a CD or subject them to strong impact.
- Do not affix adhesive labels to the label side of a CD. The CD may be scratched if you use it with an adhesive label affixed.
- When writing a title on the label side of a CD, use a soft-tipped writing instrument such as a felt-tipped pen.
- Read the cautions printed on the CD jacket before using a CD.

CD Cleaning

- If dust or dirt adheres to a CD, lightly wipe it off with a soft cloth. Always wipe from the center toward the outer edge of the disc. Do not wipe in a concentric circular direction.

- Do not use record cleaner, record spray, or solvents such as benzene to clean a CD.

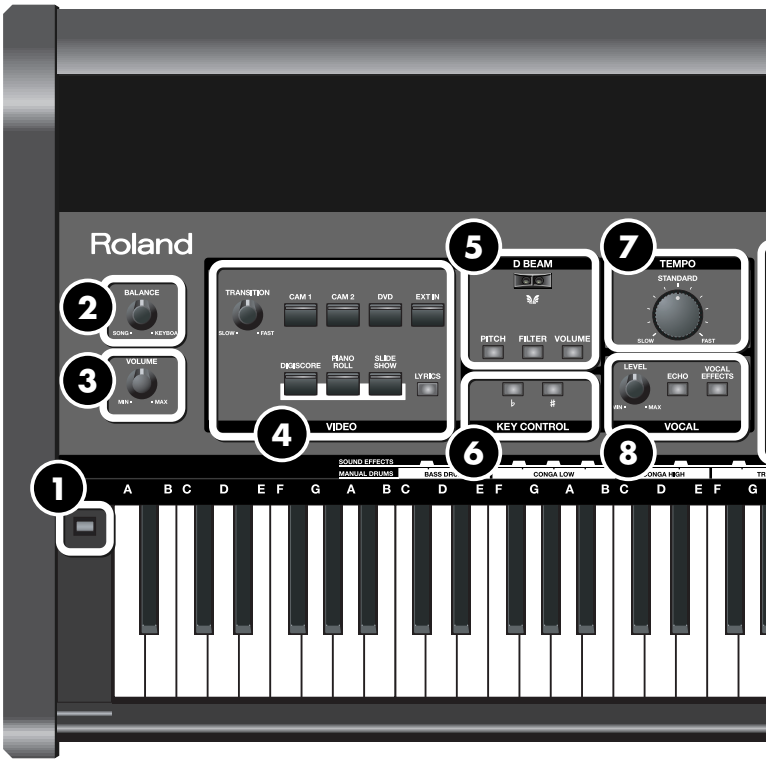
Cautions when Using a CD

- CD-R/RW discs containing music tracks, or CDs that contain both music tracks and data will not play correctly.
- For playback of commercially available CDs, this device supports playback only for discs bearing the "COMPACT disc DIGITAL AUDIO" logo, which indicates the official CD standard. We cannot guarantee that this device will correctly play discs that do not comply with the CD standard, such as music discs that use copy-protection technology.
- The VIMA is unable to play back music discs that use copy-protection technology.
- For details on music discs that use copy-protection technology, please contact the distributor of the disc.
- You cannot save songs on a CD or delete a song from a CD, nor can you format a CD.

* GS ( ) is a registered trademark of Roland Corporation.
* XG lite ( ) is a registered trademark of Yamaha Corporation.
* This product uses certain software of the "Independent JPEG Group."
* All product names mentioned in this document are trademarks or registered trademarks of their respective owners.

Names of Things and What They Do

Front Panel



1 [Power On] switch

Turns the power on/off (p. 24).

2 [BALANCE] knob

Adjusts the volume balance between the song and the keyboard (p. 90).

When playing along with a song, you can use this to turn down the song volume.

3 [VOLUME] knob

Adjusts the overall volume of the VIMA (p. 25).

If headphones are connected, this adjusts the headphone volume (p. 28).

4 VIDEO

These controls switch the image shown in the display or television connected to the VIMA. The connected display or television can show the image from a video device connected to the VIMA (such as a video camera, DVD player, or portable audio player with video functionality) or display a DigiScore (p. 64), piano roll screen (p. 66), or slide show (p. 74).

5 D BEAM

By moving your hand above the D Beam controller, you can apply effects to the sounds you're playing on the keyboard (p. 91).

You can also play sound effects such as applause by moving your hand above the D Beam controller (p. 92).

6 KEY CONTROL

These buttons let you shift the key of the keyboard or song (p. 58).

This lets you transpose a song for easier singing, or transpose the keyboard without changing your fingering.

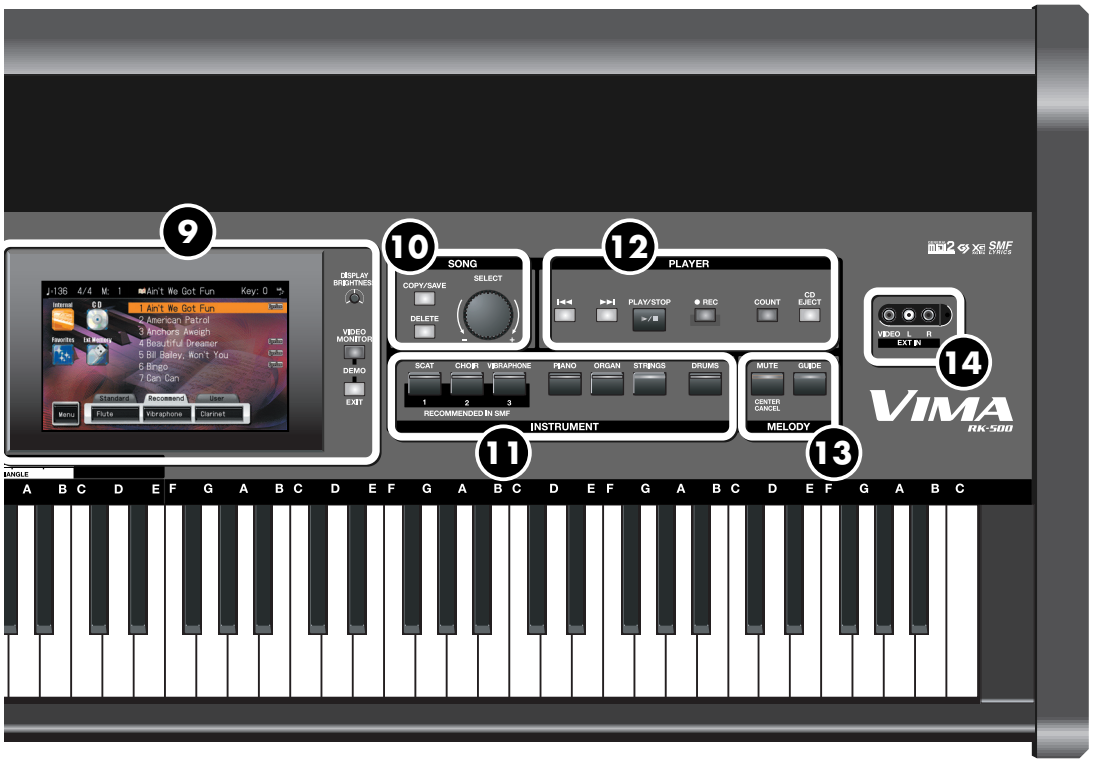
7 [TEMPO] knob

Adjusts the tempo of the song (p. 49).

Allows you to change the tempo of a song so it's easier to sing or play.

8 VOCAL

Here you can apply echo or effects to the sound from the microphone (p. 56), and adjust the microphone volume (p. 55).



9 Display

Here you can select songs and make a variety of settings. The display also shows the tempo and the name of the selected song.

Use the [DISPLAY BRIGHTNESS] knob to adjust the brightness of the VIMA's display (p. 27).
By pressing the [VIDEO MONITOR] button you can use the VIMA's display to check the image being shown in the external display or television connected to the VIMA (p. 33).
Pressing the [EXIT] button several times takes you back to the main screen (p. 23).

10 SONG

Here you can select songs (p. 35, p. 38, p. 42, p. 46).
You can also copy a favorite or frequently played song (p. 44), or remove a song from the "favorites" list (p. 48).

11 INSTRUMENT

Here you can select the sound you'll hear when you play the keyboard (p. 81).

12 PLAYER

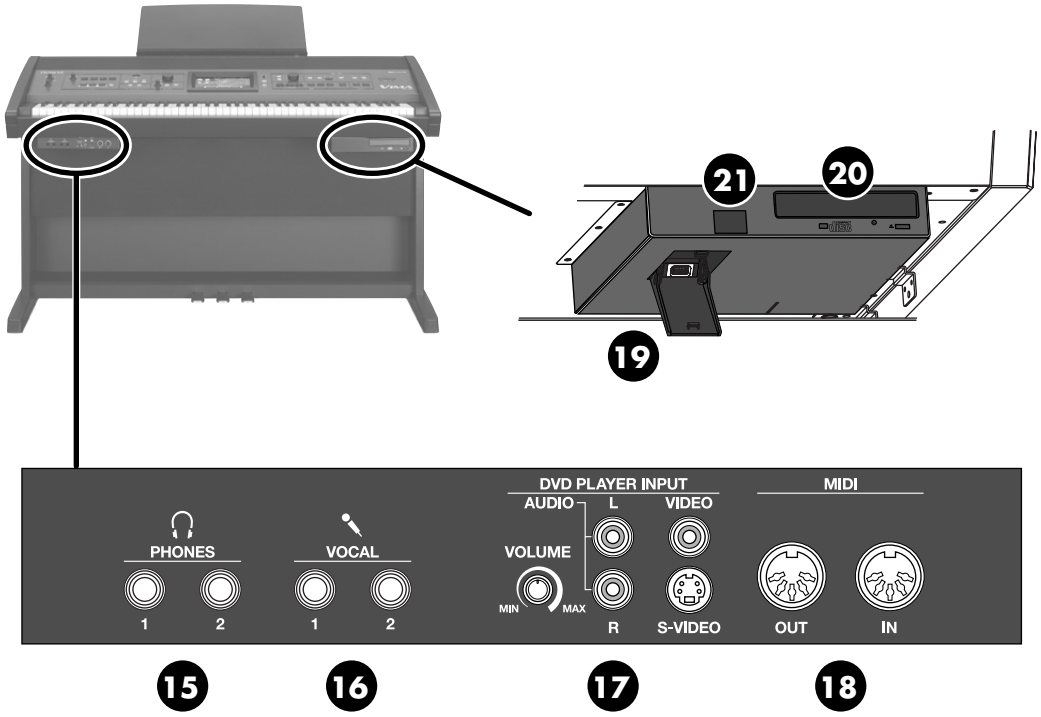
Here you can play back the VIMA's internal songs, songs from USB memory or a CD, or songs you've saved in "Favorites" (p. 34).
You can also record your own performance (p. 97), or sound a count-in when recording (p. 89).

13 MELODY

Here you can soften or mute the melody or vocal sound of a song (p. 59, p. 60, p. 61, p. 94, p. 95).
You can lower the volume of the melody or vocal of a song and enjoy karaoke, or temporarily mute the melody and play it yourself.

14 EXT IN

Here you can connect a portable audio player with video capability (or a similar device) and show its images in an external display or play back music (p. 72).



Bottom Panel (Front Left)

15 PHONES jacks

Here you can connect headphones. The VIMA lets you use two sets of headphones simultaneously (p. 28).

16 VOCAL jacks

Here you can connect microphones. The VIMA lets you use two mics simultaneously, so two people can sing together (p. 54).

17 DVD PLAYER INPUT

Here you can connect a DVD player or other video device, and view the image on an external display or a television connected to the VIMA or play back music (p. 70).

The volume of the device connected to the DVD PLAYER INPUT jacks is adjusted with the DVD PLAYER INPUT [VOLUME] knob.

18 MIDI IN/OUT connectors

You can connect these to external MIDI devices to transfer performance data (p. 136).

Bottom Panel (Front Right)

19 External memory connector

You can connect USB memory or a digital camera here, and view a slide show of the images it contains (p. 75).

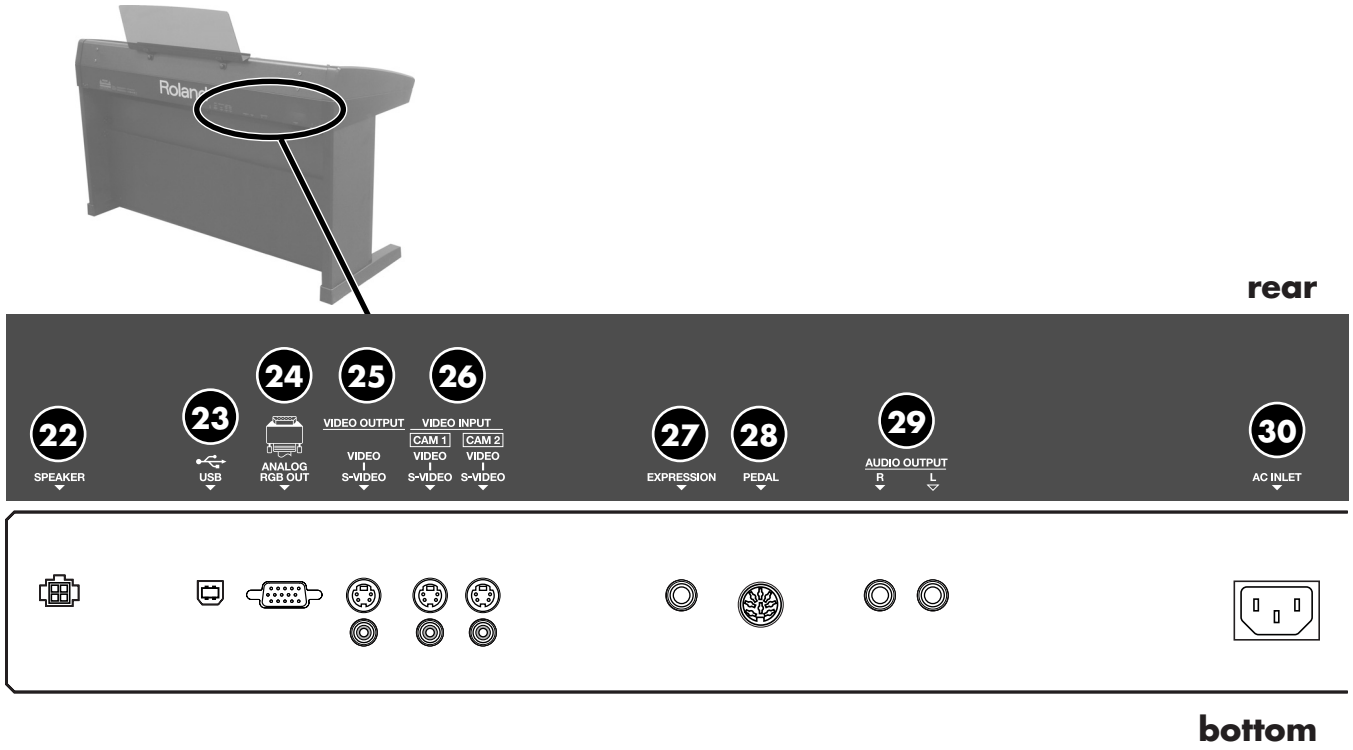
You can also play back songs from USB memory (p. 42), or copy songs recorded by the VIMA onto USB memory (p. 108).

20 CD drive

This drive lets you play CD-ROMs made for the VIMA (VIMA TUNES), as well as commercially available music CDs and CD-ROM discs containing SMF music files (p. 38).

21 Remote sensor

Point the remote control unit toward this sensor when you operate it (p. 50).



Bottom Panel (Rear)

These connectors are located at the rear of the bottom panel.

22 SPEAKER connector

Plug the speaker cable of the dedicated stand into this connector (p. 27).

23 USB connector

You can connect this to your computer for transferring performance data (p. 137).

24 ANALOG RGB OUT connector

Connect an external display here and use it to view the output image (p. 31).

25 VIDEO OUTPUT VIDEO jack S-VIDEO connectors

Connect a television here and use it to view the output image (p. 30).

26 VIDEO INPUT CAM 1/CAM 2 connectors

Connect video cameras or digital cameras to these jacks (p. 68).

27 EXPRESSION jack

You can connect a separately available expression pedal (e.g., EV-7) to this jack and use it to add expression to the sound (p. 93).

28 PEDAL connector

Connect the pedal cord of the dedicated stand to this connector (p. 26).

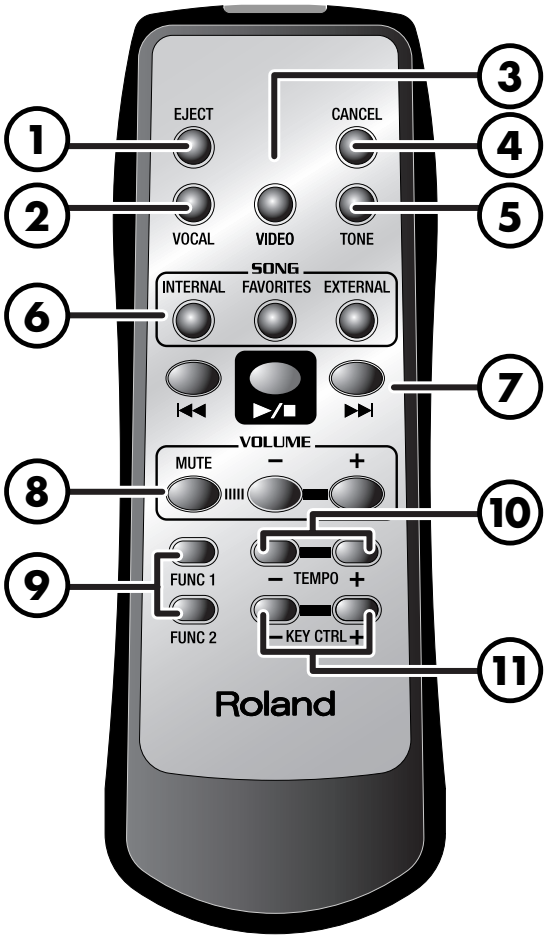
29 AUDIO OUTPUT L/R jacks

You can connect external speakers here to reproduce the VIMA's sound (p. 134).

30 AC INLET

Connect the included power cord here (p. 24).

Remote Control



(1) [EJECT] button

Opens or closes the CD drive (p. 38).

(2) [VOCAL] button

Applies an effect to the sound of the microphone (p. 57).

(3) [VIDEO] button

Switches the image shown in the connected external display or television (p. 52, p. 78).

(4) [CANCEL] button

Returns the setting of the remote [VOCAL] button to its original state. Sets the sound of the melody channel to Piano.

(5) [TONE] button

Switches the sound of the melody channel (p. 115).

(6) SONG [INTERNAL] button / SONG [FAVORITES] button / SONG [EXTERNAL] button

Select the location of the song you want to play (p. 34).

(7) [⏮] button / [▶/■] (Play/Stop) button / [⏭] button

Play/stop the song, or select the previous or next song.

(8) VOLUME [MUTE] button / VOLUME [-] [+] buttons

Adjust or mute the volume (p. 53).

(9) [FUNC 1] button / [FUNC 2] button

Provide easy access to the functions assigned to them. When shipped from the factory, "Lyric" is assigned to the [FUNC 1] button and "Mute" (Melody Mute/Center Cancel) is assigned to the [FUNC 2] button (p. 53).

(10) TEMPO [-] [+] buttons

Adjust the tempo of the song (p. 49).

(11) KEY CTRL (Key Control) [-] [+] buttons

Shift the key of the keyboard and the song that's playing (p. 58).

Main Screen

Song information

This area shows the tempo, time signature, measure number, and name of the currently selected song.

* Song information cannot be displayed for a song from a music CD.

Key control information

This area shows the key control settings (p. 112).

(Keyboard) Changes the key of the keyboard.

(Song) Changes the key of the song.

(Keyboard and Song) Changes the key of both the keyboard and song.

Location in which songs are saved (Song Location)

Here you can select the location in which songs are saved (song location).

When you touch an icon in the screen, a list of the songs in the selected location will appear.

Internal (Internal songs)

Favorites

CD

Ext memory (External memory)

Song list

This shows a list of the songs that are in the currently selected location. You can select a song by touching its name in the song list, or by turning the [SELECT] knob.

Songs with lyrics are indicated by a Lyrics symbol beside the song name.

Menu button

Displays the Menu screen.

In the Menu screen you can choose the setting you want to change.

Tone buttons

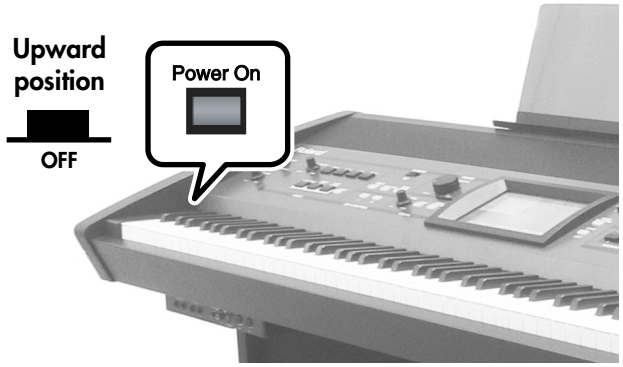
This shows "Standard Tone," "Recommended Tone," and "User Tone."

By touching the tabs in the screen you can switch among the "Standard," "Recommend," and "User" displays.

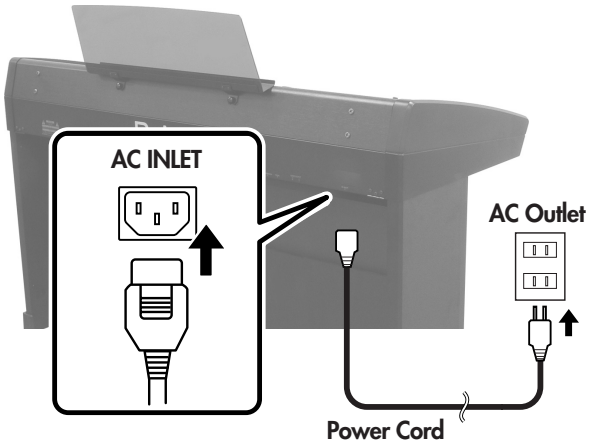
Getting Ready to Play

Connecting the Power Cord

1. Make sure that the [Power On] switch located at the left side of the keyboard is off (in the upward position).



2. Connect the included power cord to the AC INLET located at the rear of the bottom panel.



3. Plug the other end of the power cord into an AC outlet.

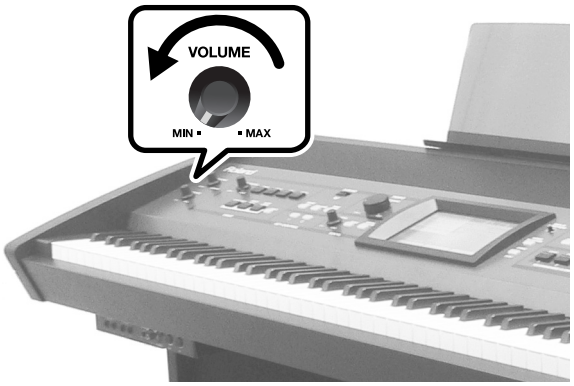
NOTE You must use the power cord included with the VIMA.

Turning the Power On/Off

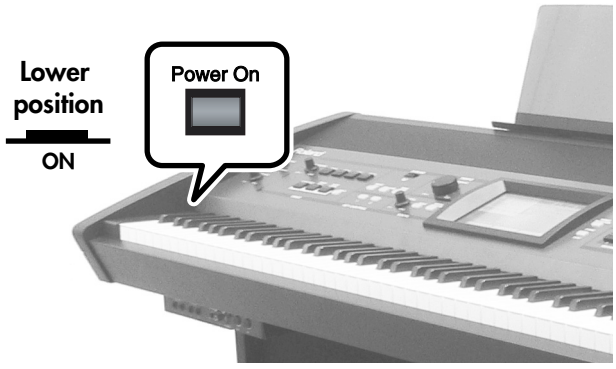
NOTE Once you've got everything connected properly, you can turn on the power using the following procedure. If you fail to perform these steps in the correct order, you risk causing a malfunction or damaging your speakers.

Turning the Power On

1. Turn the [VOLUME] knob all the way toward the left to minimize the volume.



2. Press the [Power On] switch.



The power will turn on, and after several images have appeared in the VIMA's display, the main screen will appear.

After a brief interval, you'll be able to produce sounds by playing the keyboard.

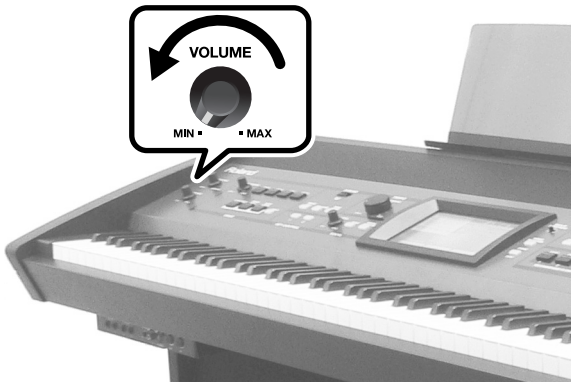
→ Main screen (p. 23)

NOTE Due to a circuitry protection feature, this unit requires a few moments after power is turned on before it is ready for normal operation.

3. Use the [VOLUME] knob to adjust the volume (p. 25).

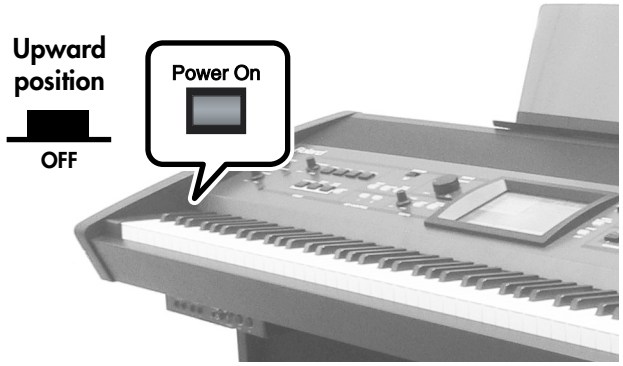
Turning the Power Off

1. Turn the [VOLUME] knob all the way toward the left to minimize the volume.



2. Press the [Power On] switch.

The screen goes blank and the power is turned off.



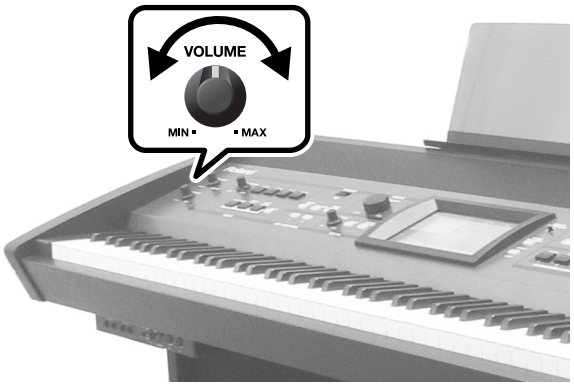
NOTE If you need to turn off the power completely, first turn off the [Power On] switch, then unplug the power cord from the power outlet. Refer to "Power Supply" (p. 15).

Adjusting the Volume

Here's how to adjust the volume of your keyboard playing or the playback volume of an internal song or CD song.
If headphones are connected, use the [VOLUME] knob to adjust the headphone volume.

1. Turn the [VOLUME] knob to adjust the overall volume.

Adjust the volume while you play the keyboard to produce sound.



→ You can also use the remote control to adjust the volume. Refer to "Remote Control Buttons" (p. 52).

→ The microphone volume is adjusted with the VOCAL [LEVEL] knob (p. 55).

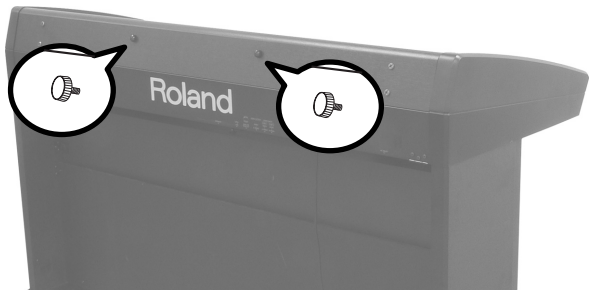
→ The volume of the device connected to the DVD PLAYER INPUT jack located at the bottom left of the VIMA is adjusted with the DVD PLAYER INPUT [VOLUME] knob (p. 71).

NOTE Even if the [VOLUME] knob is raised, you won't hear any sound if the volume has been set to "0" using the remote's VOLUME [-] [+] buttons or if the [MUTE] button was pressed.

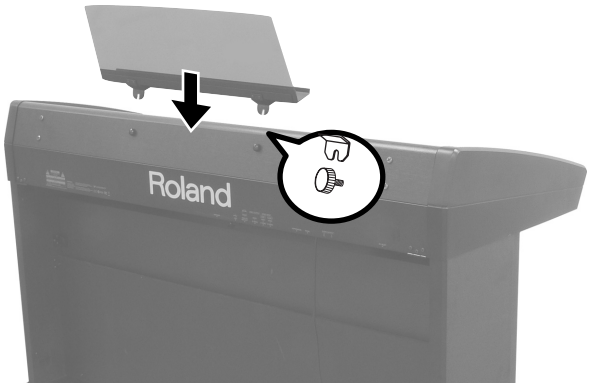
Attaching the Music Rest

Here's how to attach the included music rest.

1. Loosen the screws used for securing the music rest on the rear panel of the instrument (two locations).



2. Place the music rest between the screws and the chassis.



3. While using one hand to support the music rest, tighten the screws (two locations) to fasten the music rest firmly in place.

When attaching the music rest, you must use your hand to support it firmly so that it does not fall. Be careful not to pinch your hand.

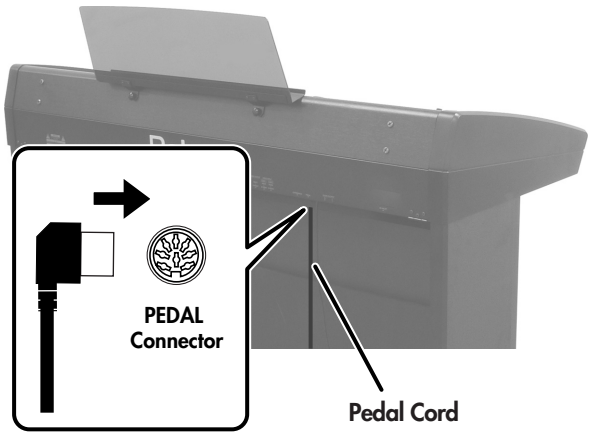
To remove the music rest, support it with one hand while you loosen the screws. Remove the music rest, and then securely retighten the screws.

NOTE Don't apply excessive force to the installed music rest.

NOTE You must use the included screws to attach the music rest.

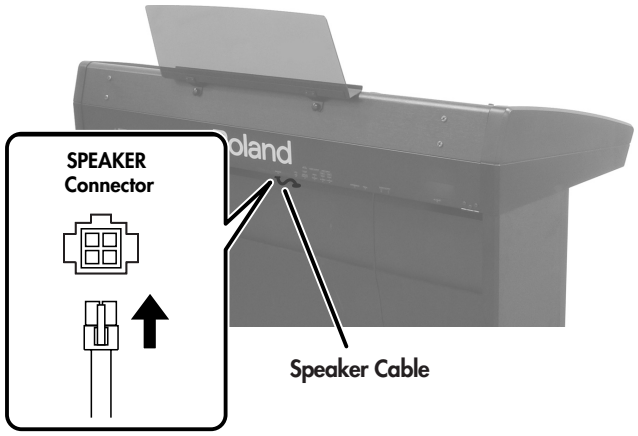
Connecting the Pedal Cord

1. Plug the pedal cord extending from the VIMA's stand into the PEDAL connector located at the back of the VIMA's bottom panel.



Connecting the Speaker Cable

1. Plug the speaker cable extending from the VIMA's stand into the SPEAKER connector located at the back of the VIMA's bottom panel.

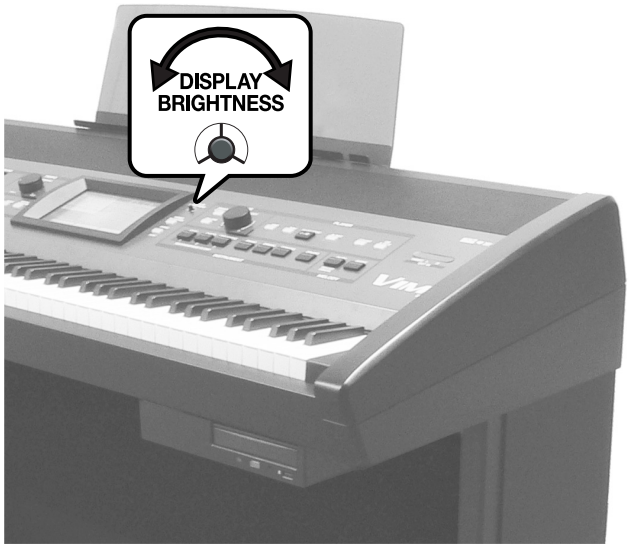


NOTE Pay attention to the shape of the speaker cable's connector, and insert it until you hear it click securely into place.

NOTE Do not insert your hand into the hole located under the speaker box. Doing so may cause injury.

Adjusting the Brightness of the Display

You can adjust the brightness of the VIMA's display.



1. To adjust the brightness, turn the [DISPLAY BRIGHTNESS] knob located at the right of the VIMA's display.

Cautions Regarding the LCD Display

- In order to provide the highest possible image quality, the VIMA uses a TFT liquid crystal display. Due to the nature of a TFT liquid crystal display, the screen may contain pixels that fail to light or that remain constantly lit, but please be aware that this is not a malfunction or defect.
- The brightness may be affected by the temperature.

Listening through Headphones

You can use headphones to enjoy the VIMA without disturbing those around you, such as at night. Since the VIMA has two headphone jacks, two people can also use headphones simultaneously.
If you're using only one set of headphones, you may connect them to either of the two headphone jacks.

1. Plug the headphones into the PHONES jack located at the left of the VIMA's bottom panel.
If headphones are connected, no sound will be output from the VIMA's speakers.

2. Use the VIMA's [VOLUME] knob (p. 25) to adjust the headphone volume.

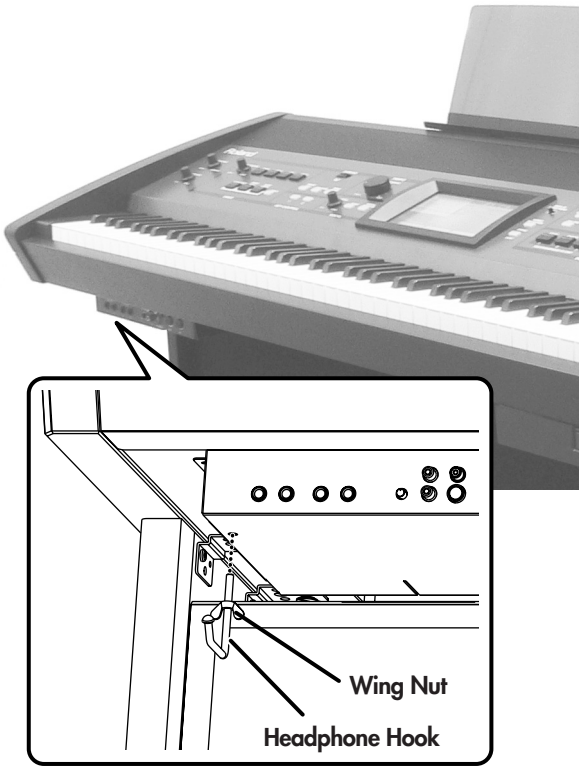
Cautions when Using Headphones

- To prevent damage to the cord's internal conductors, avoid rough handling. When using headphones, mainly try to handle either the plug or the headset.
- Your headphones may be damaged if the volume of a device is already turned up when you plug them in. Minimize the volume before you plug in the headphones.
- Excessive input will not only damage your hearing, but may also strain the headphones. Please enjoy music at an appropriate volume.
- Use headphones that have a stereo 1/4" phone plug.

Using the Headphone Hook

Whenever you are not using the headphones, you can hang them on the headphone hook of the VIMA.

Attaching the Headphone Hook



1. Press and twist the headphone hook included with the VIMA into the hole in the bottom left of the VIMA (refer to the figure above).

2. Turn the headphone hook wing nut to secure the headphone hook.

Caution when Using Headphone Hook

- Do not hang anything other than headphones on the headphone hook. Doing so may damage the instrument or the hook.

About the Pedals

The pedals perform the following operations. You'll use them mainly when playing piano.

Damper Pedal (right pedal)

While this pedal is held down, notes will be sustained for an extended time even if you release your fingers from the keyboard.

The length of sustain will change subtly depending on how deeply you press the pedal.

On an acoustic piano, holding down the damper pedal will cause the strings for notes other than the ones you actually play to vibrate in sympathy with what you've played, producing a rich resonance. The VIMA simulates this sympathetic vibration (damper resonance).

Sostenuto Pedal (center pedal)

The notes you are pressing when this pedal is depressed will be sustained.

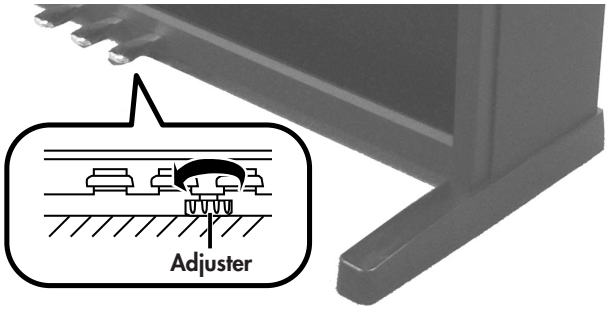
Soft Pedal (left pedal)

If you hold down this pedal, the notes will be softer in tone. The softness of the tone can be varied subtly by the depth to which you press the pedal.

About the Adjuster

If you feel that the pedal is unstable (for example if you've moved the VIMA to a different location), you can adjust the adjuster located on the bottom of the pedals as follows.

❍ Turn the adjuster to lower it until the adjuster is in firm contact with the floor. The pedal may be damaged if there is a gap between the adjuster and the floor. In particular, when you've placed the VIMA on carpet, you must turn the adjuster until it is pressing firmly against the floor.



Enjoying a Demonstration of the VIMA's Capabilities

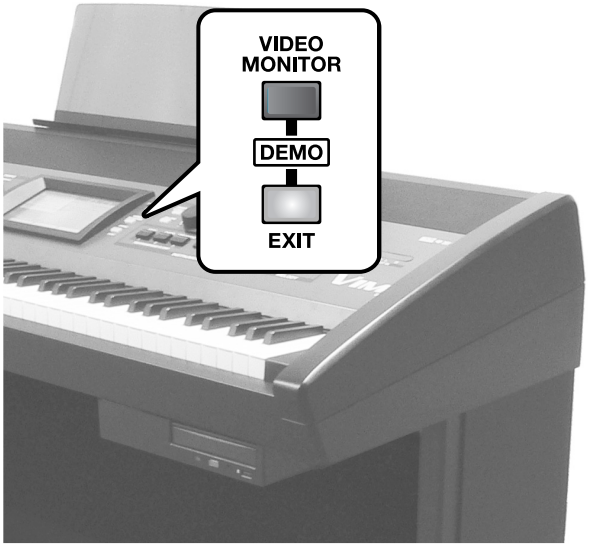
You can use the "Demo" function to experience the VIMA's features and major performance functions.

1. Hold down the [VIDEO MONITOR] button and press the [EXIT] button.

The demo will begin automatically.

The [VIDEO MONITOR] button will automatically turn on (lit), and the VIMA's display will show the demo.

MEMO If you've connected an external display or a television to the VIMA, the demo will also appear in the external display or television.

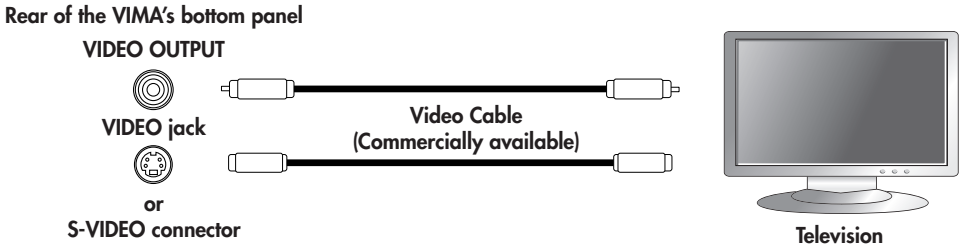


Exiting the Demo

1. Press the [EXIT] button.

Connecting an External Display or a Television

Connecting a Television



Making Connections

NOTE Before you make connections to other devices, you must turn down the volume of all devices and turn off their power to prevent malfunctions or damage to your speakers.

1. Switch off the VIMA and the television you'll be connecting (p. 25).

2. Connect the VIMA to your television.

If you want to connect the VIMA to the video connector of your television, use a video cable (commercially available) to connect the VIMA's VIDEO OUTPUT jack to the television. If you want to connect to your television's S-Video connector, use an S-Video cable to make the connection from the VIMA's S-VIDEO connector.

If your television has both a video jack and an S-Video connector

The VIMA's video output provides both a VIDEO jack and a S-VIDEO connector. You may use either of these, depending on the type of connector provided on your television. If your television has both VIDEO and S-VIDEO connectors, we recommend that you use the S-VIDEO connection.

The S-VIDEO connector will provide a higher-quality picture than the VIDEO connector.

3. Switch on the VIMA (p. 24).

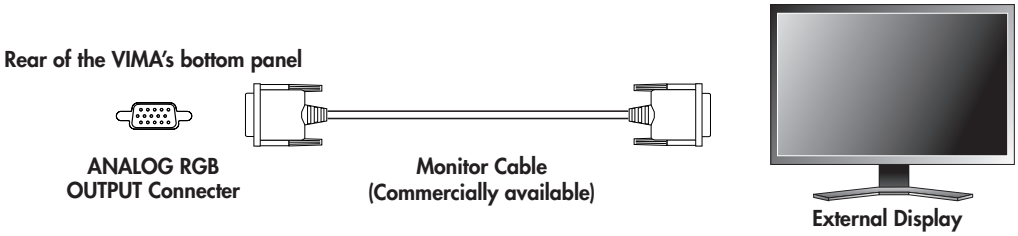
4. Switch on your television.

5. (As necessary) Specify the television output format (p. 120).

6. Specify the aspect ratio (ratio between width and height) for your television (p. 120).

MEMO The aspect ratio is the proportional relationship between the width and height of the screen. The VIMA's screen has an aspect ratio of 16:9. Televisions can have an aspect ratio of either 4:3 or 16:9 (wide screen).

Connecting an External Display



Types of display that can be connected

NOTE In general, you can connect any display that is sold as a "multiscan monitor." However, to be certain, please check the following specifications before you connect your display.

Resolution	800 x 480 pixels or more
Horizontal scan rate	31.5 kHz
Vertical scan rate	60 Hz
Connector	Three-row 15-pin D-sub type
Signal	Analog

Making Connections

NOTE Before you make connections to other devices, you must turn down the volume of all devices and turn off the power to prevent malfunctions or damage to your speakers.

1. Switch off the VIMA and the display you'll be connecting (p. 25).

2. Connect the VIMA to your display.

Use a commercially available monitor cable to connect the VIMA's ANALOG RGB OUTPUT connector to the analog RGB connector of your display.

3. Switch on the VIMA (p. 24).

4. Switch on the connected display.

MEMO For details on how to use your external display, refer to the owner's manual for your display.

Switching Off Your Television or External Display

You must turn off the power of the television or external display in the following order.

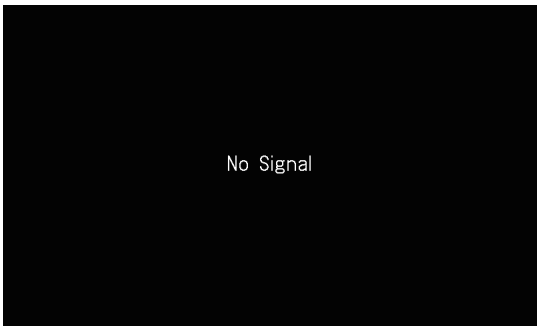
1. **Minimize the volume of the VIMA (p. 25).**
2. **Switch off the connected television or display.**
3. **Switch off the VIMA (p. 25).**

Using the VIMA's Display to Check the Image Shown on the External Display

Here's how you can use the VIMA's display to view the image that's being shown on the external display or television connected to the VIMA. Normally, the VIMA's display will show the main screen.

1. Press the [VIDEO MONITOR] button so it's lit.

The image shown on the external display or television connected to the VIMA will be shown in the VIMA's own display.

If the video function is off (p. 78) The VIMA logo is shown.	
If no external video device is connected Example: If you press the [CAM 1] button when nothing is connected to the CAM 1 connector, a message like the one shown at right will appear.	

When you press the [VIDEO MONITOR] button or the [EXIT] button to turn off the [VIDEO MONITOR] button's light, the image being shown in the external display or television connected to the VIMA will disappear, and the main screen (p. 23) will appear.

Songs You Can Listen to on the VIMA

You can listen to internal songs, songs you've recorded yourself, songs from a music CD, songs from the CD-ROM included with the VIMA, and songs saved on USB memory (sold separately).

What you can play	Explanation
The VIMA's internal songs	The VIMA contains numerous built-in songs. While a song plays, you can use an external display or a television to view a slide show suitable for the character of that song.
Songs you record	You can record your performance on the VIMA and play it back for listening. You can also save such songs in "Favorites."
Songs copied in "Favorites"	Internal songs and songs from CD-ROM or USB memory can be copied (registered) in "Favorites" and played.
Songs on external memory	You can play back songs from external memory, such as a USB memory device.
CD-ROM included with the VIMA	The CD-ROM included with the VIMA contains 12 different songs. While a song plays, you can use an external display or a television to view a slide show suitable for the character of that song.
CD-ROMs made for the VIMA (VIMA TUNES)	You can play back commercially available CD-ROMs made for the VIMA (VIMA TUNES). While a song plays, you can use an external display or a television to view a slide show suitable for the character of that song.
Music CDs	You can play back standard music CDs.

Touch an icon shown in the main screen to select the location of the song you want to play.

What are "locations"?

On the VIMA, "locations" are the places in which songs are held, such as "Internal (internal songs)," "Favorites (user memory)," "CD," or "Ext Memory (external memory)."

Listening to Internal Songs

The VIMA contains numerous built-in songs. Here's how to select and play back one of these songs.

Selecting a Song

1. Access the main screen.

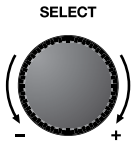
If the main screen is not shown, press the [EXIT] button several times to access the main screen.

2. In the main screen, touch (Internal).

If you're using the remote, press the remote's [INTERNAL] button.

The VIMA's screen will show a list of the internal songs.

3. Turn the [SELECT] knob to select the song you want to play.



MEMO You can also select a song by touching it in the screen.

Playing the Song

4. Press the [PLAY/STOP] button.

The selected song will play.

Panel [⏮] button and [⏭] button

The [⏮] button and [⏭] button will do the following.

[⏮] button If you're in the middle of a song, this button returns you to the beginning of the currently playing song.
If you're at the beginning of a song, this button returns you to the preceding song.
Hold down this button to rewind the song.

[⏭] button Selecting the next song.
Hold down this button to fast-forward the song.

Stopping the Song

5. Press the [PLAY/STOP] button once again.

MEMO You can also play/stop the song by pressing the remote's [▶/■] button.
When you press the remote [▶/■] button to begin playback, the songs will play back successively, starting with the selected song.

All of the internal songs are able to display a notation. The notation shows you the notes of the song (p. 64).

If there's a song that you're practicing or that you particularly like, you can save it in "Favorites" for easy access. You can also play back SMF music files saved on USB memory connected to the external memory connector, or music CDs.

→ "Registering a Song in "Favorites" (Copy)" (p. 44)

→ "Listening to Songs from CD" (p. 38)

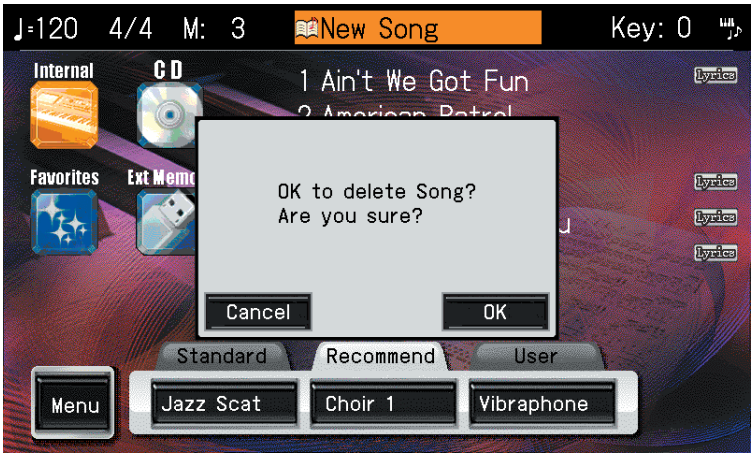
→ "Listening to Songs from USB Memory" (p. 42)

If the following screen appears

If you attempt to select another song before you've saved your recorded song in "Favorites," a screen like the following will appear.

If you don't want to keep the song you recorded, touch <OK>. If you do want to keep the song, touch <Cancel> to cancel the song selection, and then save your song in "Favorites."

→ "Saving a Recorded Song in "Favorites"" (p. 102)



Caution on Internal Song

- All rights reserved. Unauthorized use of this material for purposes other than private, personal enjoyment is a violation of applicable laws.
- No data for the music that is played will be output from MIDI OUT connector.

Listening to Songs from CD

Here's how to play back commercially available music CDs, CD-ROMs containing SMF music files, the CD-ROM included with the VIMA, or the CD-ROMs made for the VIMA (VIMA TUNES).

Inserting the CD into the CD Drive

1. Press the [CD EJECT] button to open the disc tray.

2. Place the CD on the disc tray.

3. Press the [CD EJECT] button to close the disc tray.

MEMO You can also open or close the disc tray by pressing the remote's [EJECT] button.

NOTE After you close the disc tray, a certain amount of time will be required for the CD to load.

Selecting a Song from CD

1. Insert the CD you want to play into the CD drive.

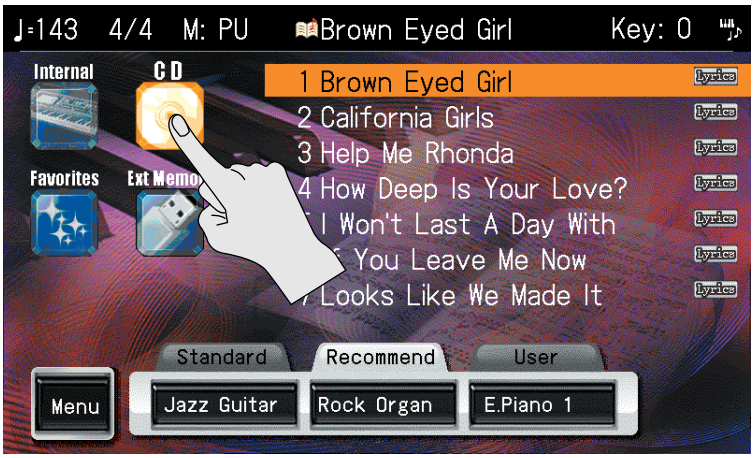
2. Access the main screen.

If the main screen is not shown, press the [EXIT] button several times to access the main screen.

3. In the main screen, touch (CD).

If you're using the remote, press the remote's [EXTERNAL] button several times to select "CD" as the location of the song you want to play.

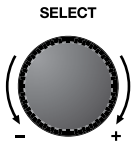
NOTE If there's no CD in the CD drive, you won't be able to touch (CD).



The VIMA's screen will show a list of the songs on the CD.

NOTE For a music CD, the screen will show the song numbers. Song names are not shown.

4. Turn the [SELECT] knob to select the song you want to play.



MEMO You can also select a song by touching it in the screen.

Playing the Song from a CD

5. Press the [PLAY/STOP] button.

The selected song will play.

6. To stop the song, press the [PLAY/STOP] button once again.

MEMO You can also play/stop the song by pressing the remote's [▶/■] button.
When you press the remote [▶/■] button to begin playback, the songs will play back successively, starting with the selected song.

Panel [⏮] button and [⏭] button

The [⏮] button and [⏭] button will do the following.

[⏮] button — If you're in the middle of a song, this button returns you to the beginning of the currently playing song.
If you're at the beginning of a song, this button returns you to the preceding song.
Hold down this button to rewind the song.

[⏭] button — Selecting the next song.
Hold down this button to fast-forward the song.

If there's a song that you're practicing or that you particularly like, you can save it in "Favorites" for easy access. You can also play back SMF music files saved on USB memory connected to the external memory connector, or internal songs.

→ "Registering a Song in "Favorites" (Copy)" (p. 44)
→ "Listening to Internal Songs" (p. 35)
→ "Listening to Songs from USB Memory" (p. 42)

A song from a music CD can be transposed to a key that's more comfortable for you to sing. You can also minimize the volume of the vocal, and perform or sing the vocal yourself.

→ "Changing the Song to a Key that's Comfortable for Singing (KEY CONTROL)" (p. 58)
→ "Enjoying Karaoke with a Music CD (CENTER CANCEL)" (p. 59)

Removing the CD

1. Press the [CD EJECT] button to open the disc tray.

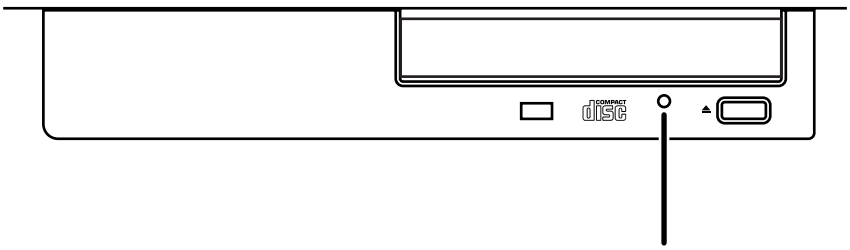
2. Remove the CD from the disc tray.

MEMO You can also open or close the disc tray by pressing the remote's [EJECT] button.

MEMO You can also open or close the disc tray by pressing the eject button located on the CD drive.

If the disc tray does not open

If, due to a power failure or other problem, the power is turned off when the CD is still in the CD drive, you won't be able to open the disc tray by pressing the [CD EJECT] button. If this happens, you can insert a straightened paper clip or similar object into the emergency eject hole to forcibly open the drive.



NOTE The emergency eject hole must be used only when the VIMA's power is switched OFF. Using it while the power is on may damage the disc or cause serious problems.

Listening to Songs from USB Memory

Here's how you can listen to songs that are saved on USB memory (sold separately). You can also use the keyboard to play along with the song.

Selecting a Song

1. Connect the USB memory (sold separately) containing the song you want to listen to the external memory connector (p. 104).

2. Access the main screen.

If the main screen is not shown, press the [EXIT] button several times to access the main screen.

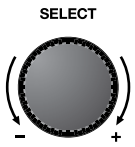
3. In the main screen, touch (Ext Memory).

If you're using the remote, press the remote's [EXTERNAL] button several times to select "Ext memory (External Memory)" as the location of the song you want to play.

NOTE If there's no USB memory connected to the external memory connector, you won't be able to touch (Ext Memory).

The VIMA's screen will show a list of the songs on USB memory.

4. Turn the [SELECT] knob to select the song you want to play.



MEMO You can also select a song by touching it in the screen.

Playing the Song

5. Press the [PLAY/STOP] button.

The selected song will play.

MEMO You can also play/stop the song by pressing the remote's [▶/■] button. In addition, you can press the remote's [⏮] button to select the preceding song or press the [⏭] button to select the next song.
When you use the remote's [▶/■] button to play back a song, the songs will be played back consecutively, beginning with the selected song. When the last song in USB memory has ended, you'll return to the first song and playback will continue until you press the [▶/■] button once again.

Stoping the Song

6. To stop the song, press the [PLAY/STOP] button once again.

Panel [⏮] button and [⏭] button

The [⏮] button and [⏭] button will do the following.

[⏮] button — If you're in the middle of a song, this button returns you to the beginning of the currently playing song. If you're at the beginning of a song, this button returns you to the preceding song.
Hold down this button to rewind the song.

[⏭] button — Selecting the next song.
Hold down this button to fast-forward the song.

If there's a song that you're practicing or that you particularly like, you can save it in "Favorites" for easy access. You can also play back SMF music files saved on CD-ROM, or internal songs.

→ "Registering a Song in "Favorites" (Copy)" (p. 44)
→ "Listening to Internal Songs" (p. 35)
→ "Listening to Songs from CD" (p. 38)

Registering a Song in “Favorites” (Copy)

If there’s a song that you particularly like or listen to often, you can register it in “Favorites” for easy access.

NOTE You can’t copy music CD songs to “Favorites.”

What is “Favorites”?

This is an area in which you can register songs you recorded on the VIMA or songs from connected USB memory or a CD-ROM. If a song is registered in “Favorites,” you can easily access it by selecting “Favorites” as the location in the main screen.

Songs registered in “Favorites” are remembered even when the power is turned off, so you will find it convenient to register the songs you want to hear frequently.

1. Prepare the song that you want to copy in “Favorites.”

If the song you want to copy is on a CD-ROM or in USB memory, insert the CD-ROM into the CD drive (p. 38) or connect your USB memory (p. 104).

2. Access the main screen.

If the main screen is not shown, press the [EXIT] button several times to access the main screen.

3. Touch the main screen to select the location that contains the song you want to copy to "Favorites."

Indication	Explanation
(Internal)	Internal songs
(CD)	Songs on CD-ROM
(Ext Memory)	Songs in USB memory

MEMO Songs that you record can also be saved in "Favorites" (p. 102).

4. Turn the [SELECT] knob to select a song.

MEMO You can also select a song by touching it in the screen.

5. Press the [COPY/SAVE] button.

The following screen appears.

If you decide not to copy the song, touch <Cancel>.

6. Touch <OK>.

The selected song has been copied in "Favorites."
To select a song you've copied in "Favorites," touch (Favorites) in the main screen to view the "Favorites" song list.

NOTE Never turn off the power while the screen indicates "Executing..."

NOTE The song contains image data will take some time to copy.

NOTE You can copy up to two hundred songs in "Favorites." However, if there is insufficient capacity remaining, the indication "Error: 11" will appear (p. 145), and you won't be able to copy the song even though there are fewer than two hundred.

NOTE If you want to delete the all of the songs copied in "Favorites," please refer to "Initializing User Memory (Format User Memory)" (p. 131).

Listening to Songs Copied in "Favorites"

Here's how to play back a song you've copied to "Favorites."

Selecting a Song

1. Access the main screen.

If the main screen is not shown, press the [EXIT] button several times to access the main screen.

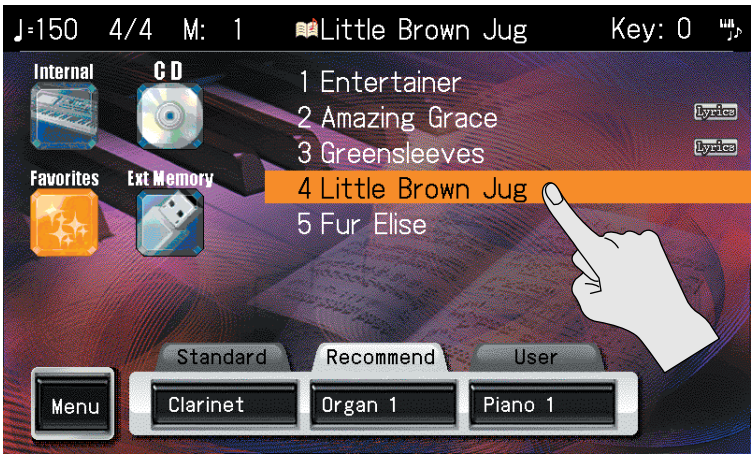
2. In the main screen, touch (Favorites).

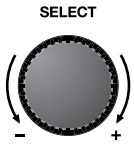
If you're using the remote, press the remote's [FAVORITES] button.

The VIMA's screen will show a list of the songs saved in "Favorites."

NOTE If no songs have been saved in "Favorites," no song list will appear when you choose "Favorites" as the song location.

3. Turn the [SELECT] knob to select the song you want to play.





MEMO You can also select a song by touching it in the screen.

Playing the Song

4. Press the [PLAY/STOP] button.

The selected song will play.

Panel [⏮] button and [⏭] button

The [⏮] button and [⏭] button will do the following.

[⏮] button — If you're in the middle of a song, this button returns you to the beginning of the currently playing song.
If you're at the beginning of a song, this button returns you to the preceding song.
Hold down this button to rewind the song.

[⏭] button — Selecting the next song.
Hold down this button to fast-forward the song.

Stopping the Song

5. Press the [PLAY/STOP] button once again.

MEMO You can also play/stop the song by pressing the remote's [▶/■] button.

Deleting a Song from "Favorites"

1. Access the main screen.

If the main screen is not shown, press the [EXIT] button several times to access the main screen.

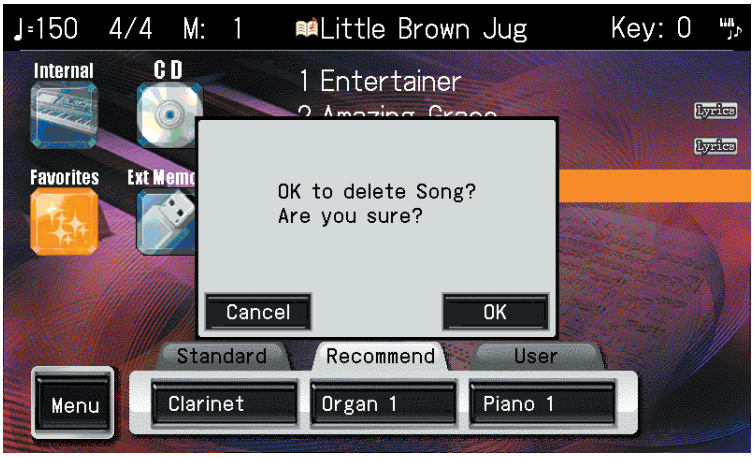
2. In the main screen, touch (Favorites) to access the list of songs you've copied in "Favorites."

3. Turn the [SELECT] knob to select the song you want to delete.

MEMO You can also select a song by touching it in the screen.

4. Press the [DELETE] button.

A message will ask you to confirm the operation.



If you decide not to delete the song, touch <Cancel>.

5. Touch <OK>.

The selected song will be deleted from "Favorites."

NOTE Never turn off the power while the screen indicates "Executing..."

Changing the Tempo of a Song

Here's how to change the tempo of a song.

If a song is too fast for you to play or sing along comfortably, you can slow it down to a more comfortable tempo.

Changing the tempo will not affect the pitch. You can also change the tempo even while the song is playing.

1. Turn the [TEMPO] knob to adjust the tempo.

Turning the [TEMPO] knob toward the left ("SLOW") will slow down the tempo, and turning it toward the right ("FAST") will speed up the tempo.

You can adjust the tempo in a range between half and double the original tempo (however, limited to a range between 20 and 500 quarter notes per minute).

MEMO If you set the [TEMPO] knob to the "STANDARD" position, the song will play at its standard tempo.

NOTE You can't change the tempo of a music CD song.

What is the standard tempo?

The standard tempo is the tempo that is most appropriate for the song. Each song has its own standard tempo setting.

Using the Remote

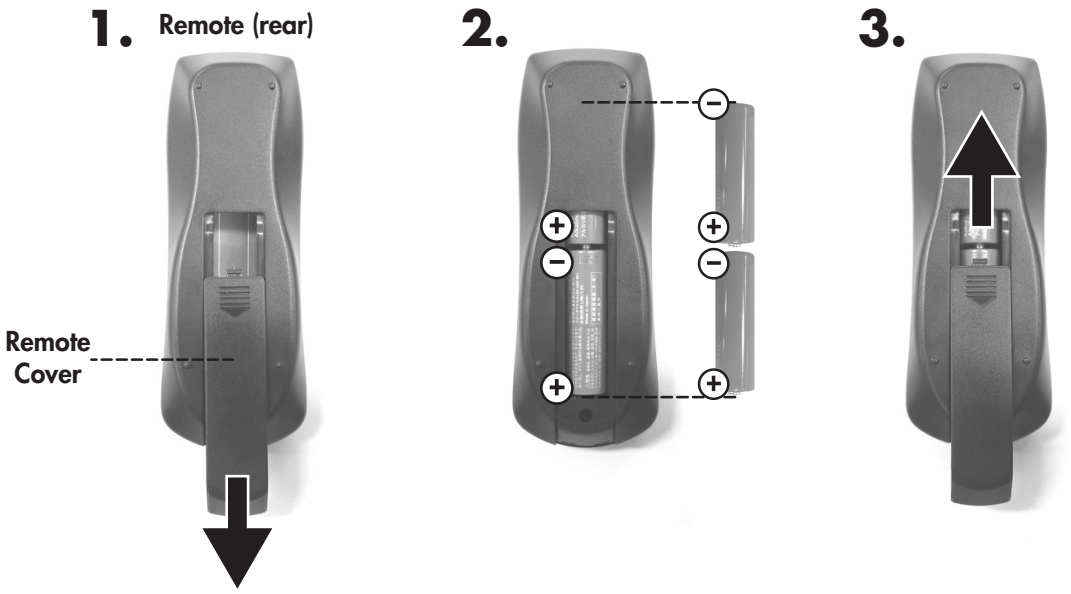
You can use the included remote control to conveniently play/stop a song or to select songs.

You can also use the remote to switch the image of the external display or television, or assign frequently used functions to the remote buttons.

MEMO For details on how the remote control's buttons function, refer to "Remote Control Buttons" (p. 52).

Installing Batteries in the Remote

Install the included batteries (two) into the remote control unit.



1. Slide the cover located on the rear of the remote to open it.

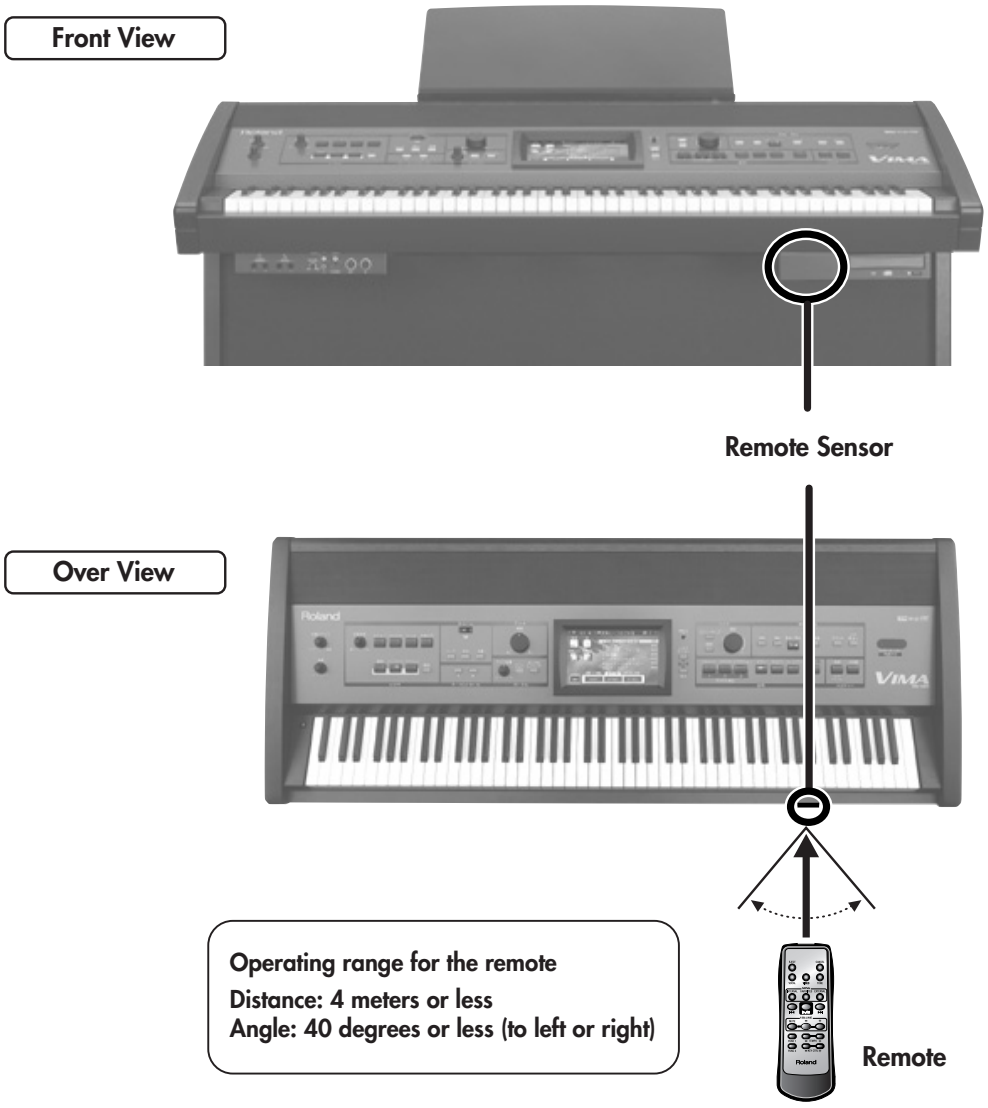
2. Insert the two AA batteries in the orientation shown on the remote.

NOTE Be sure to observe the correct polarity (+, -) for each battery.

3. Slide the cover closed.

Using the Remote

When using the remote, point it toward the remote sensor on the VIMA, and stay within the allowable operating range described below.

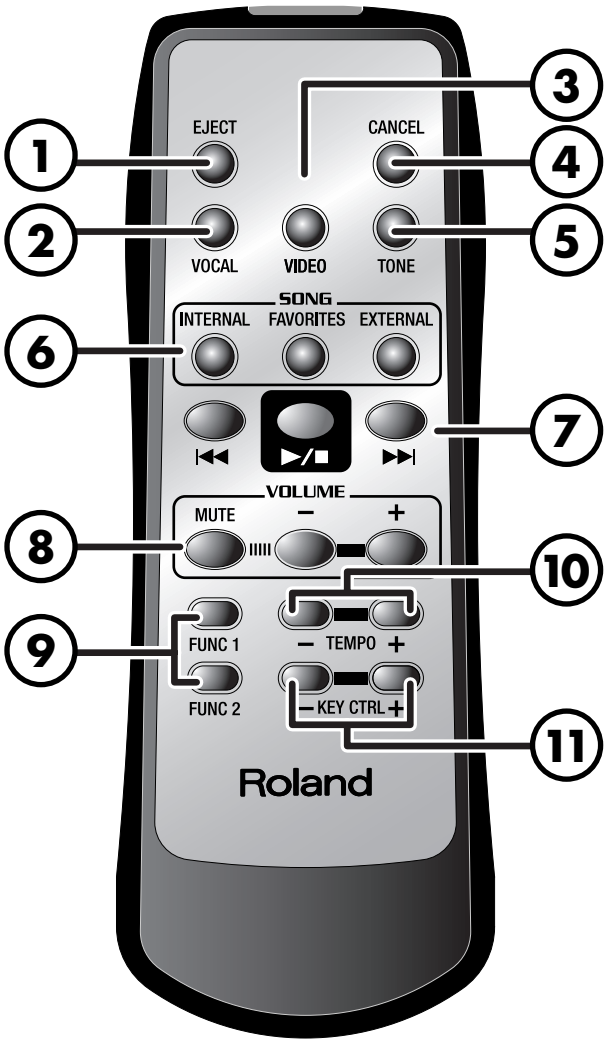


Cautions when using the remote

- You can't operate two or more of the remote's buttons simultaneously.
- Even if the remote is within the operating range, it may not work if there are obstacles between it and the remote sensor, or if the angle is poor.
- Malfunctions may occur if you use the remote near a device that produces infrared light, or if you use another infrared remote control nearby.
- The battery life will depend on the conditions of use. The operating range will decrease as the batteries run down. Replace the batteries if this occurs.
- If you won't be using the remote for an extended period, remove the batteries.
- If a strong light such as a spotlight strikes the remote sensor, the remote control may respond sluggishly.

Remote Control Buttons

You can use the buttons of the remote control to perform the following functions.



	Button name	Explanation
1	[EJECT] button	Opens or closes the CD drive (p. 38).
2	[VOCAL] button	Applies an effect to vocals arriving via the microphone. Each time you press the button, the vocal effect type (the type of effect applied to the sound from the microphone) will change. Female (male voice transformed to female voice) → Male (female voice transformed to male voice) → Kids (transformed to Kid's voice) → Off → Female ...
3	[VIDEO] button	Switches the image shown in the connected external display or television (p. 78). You can use an external display or a television to view the image from a video camera or digital camera, DVD player, or audio player with video capability that is connected to the VIMA. You can also use it to view notations, a piano roll screen, or a slide show (p. 64, p. 66, p. 74). CAM 1 → CAM 2 → DVD → EXT IN (External Input) → DigiScore → Piano Roll → Slide Show → OFF (Video function is turned off) → CAM 1.....

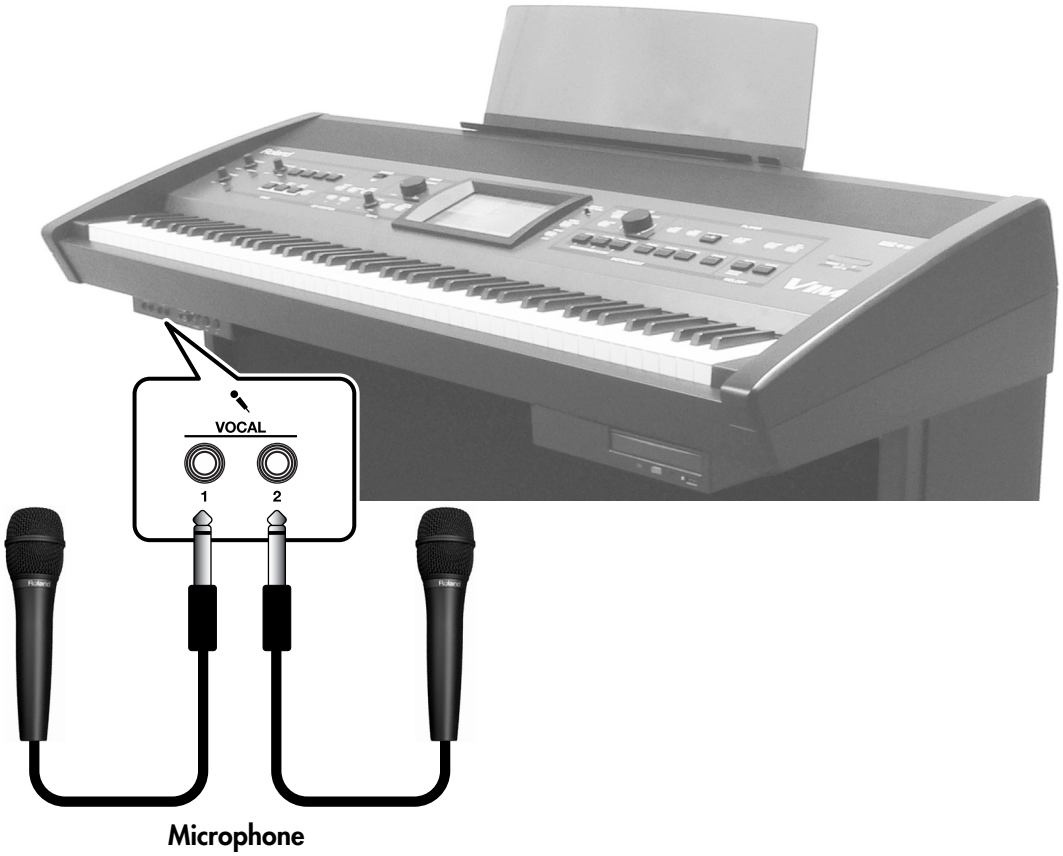
	Button name	Explanation
④	[CANCEL] button	Returns the setting of the remote's [VOCAL] button to its original state. The sound of the melody channel will be set to Piano.
⑤	[TONE] button	The sound of the melody channel (p. 115) will change each time you press this button.
⑥	SONG [INTERNAL] button	Selects internal songs.
	SONG [FAVORITES] button	Selects songs from "Favorites." ** This button won't work if no songs have been saved in "Favorites."*
	SONG [EXTERNAL] button	Selects songs from a CD or USB memory. If a CD is inserted and at the same time USB memory is connected, pressing the button toggles you between "CD" and "Ext Memory (external memory)." ** This button won't work if no CD is in the CD drive and no USB memory is connected to external memory connector.*
⑦	[⏮] button	Pressing the [⏮] button selects the preceding song.
	[▶/■] (Play/Stop) button	Plays/stops the song. Press the remote [▶/■] button to toggle the song between playing and stopped. When you press the remote [▶/■] button, songs will play back consecutively from the selected song. All songs in the selected "Location" (internal songs, favorites, CD, or external memory) will play back in succession. Playback will stop when you press the remote [▶/■] button once again.
	[⏭] button	Press the [⏭] button to select the next song.
⑧	VOLUME [MUTE] button	Temporarily mutes all sounds.
	VOLUME [-] [+] buttons	Adjust the volume of the keyboard and song. Pressing the VOLUME [-] button decreases the volume, and pressing the VOLUME [+] button increases the volume.
⑨	[FUNC 1] button	Executes the function you've assigned to this button. You can change the function that's assigned to the button (p. 116). With the factory settings, "Lyric" is assigned to this button (p. 80).
	[FUNC 2] button	Executes the function you've assigned to this button. You can change the function that's assigned to this button (p. 116). With the factory settings, "Mute" (Melody Mute/Center Cancel) is assigned to this button (p. 59, p. 60, p. 94).
⑩	TEMPO [-] [+] buttons	Adjust the tempo of the song. Pressing the TEMPO [-] button slows down the tempo, and pressing the TEMPO [+] button speeds up the tempo. ** You can't change the tempo of a music CD.*
⑪	KEY CTRL (key control) [-] [+] buttons	Change the key of the keyboard or of the song that's playing. Pressing the KEY CTRL [-] button will lower the key, and pressing the KEY CTRL [+] button will raise the key. → KEY CONTROL (p. 58) → KEY CONTROL Setting (p. 112)

Singing Along with the VIMA

You can connect a microphone to the VOCAL jack and use the VIMA for karaoke or for singing along with your own playing. Since the VIMA has two VOCAL jacks, you can connect two mics simultaneously for a duet.

You can also apply echo to the sound of the microphone, and add effects (vocal effects) for additional enjoyment.

Connecting a Microphone



Microphone

1. Connect your microphone to a VOCAL jack located on the left side of the bottom panel.

If you're using only one microphone, you may connect it to either of the two VOCAL jacks.

Cautions when Using a Microphone

- Be careful of the volume late at night or early in the morning.
- Lower the volume before you connect a microphone to the VIMA. If the volume is raised when you connect a microphone, noise may be output from the speakers.
- Howling could be produced depending on the location of microphones relative to speakers. This can be remedied by:
  - Changing the orientation of the microphone(s).
  - Relocating microphone(s) at a greater distance from speakers.
  - Lowering volume levels.

Adjusting the Volume of the Microphone

You can adjust the volume of the sound from the microphone.

If two mics are connected, this will change the volume of both mics.

1. Turn the [VOLUME] knob to adjust the overall volume (p. 25).

If you want to sing along with the song, turn the [VOLUME] knob to adjust the song volume while the song is playing.

If you want to play the keyboard while you sing, turn the [VOLUME] knob to adjust the keyboard volume while you play the keyboard.

If you're singing along with the song, turn the [BALANCE] knob to adjust the volume balance of the song (p. 90).

2. Turn the VOCAL [LEVEL] knob to adjust the microphone volume.

Turning the VOCAL [LEVEL] knob toward the left will lower the microphone volume, and turning it toward the right will raise the microphone volume.

Adding Echo to Vocals (ECHO)

You can add echo to vocals arriving via the microphone. This will make singing more enjoyable.

1. Press the [ECHO] button so it's lit.

2. Sing into the microphone.

Echo will be applied to the sound from the microphone.

MEMO You can adjust the depth of the echo.
→"Selecting the Type of Mic Echo (Echo Type)" (p. 118)
→"Adjusting the Microphone Echo (Echo)" (p. 118)

Applying an Effect to Vocals (VOCAL EFFECTS)

You can apply various effects to vocals arriving via the microphone. Effects applied to the vocals are called "vocal effects." These effects let you transform a female voice into a male voice, or add harmony to your voice.

1. Press the [VOCAL EFFECTS] button so it's lit.

The vocal effect is turned on.

2. Sing into the microphone.

The effect will be applied to the sound from the microphone.

With the factory settings, the "Kids" effect will be applied.

MEMO You can select the type of vocal effect.
→"Switching the Type of Vocal Effect (Effect)" (p. 117)

Changing the Song to a Key that's Comfortable for Singing (KEY CONTROL)

The "Key Control" function lets you play back a song at a different key. This is convenient when you're singing along with the song, since you can shift the playback to a key that's comfortable for the range of your voice.

You can also use this function to transpose the pitch of your playing without changing your fingering on the keyboard. For example, if the song is in a difficult key with numerous sharps (♯) or flats (♭), you can transpose to a key that's easier for you to play.

You can control the key of not only an internal song or SMF music files, but also the sound from a music CD, portable audio player, or DVD player. This is convenient when you're singing along with a music CD.

1. Choose whether you want to control the key of the song, the keyboard, or both (p. 112).

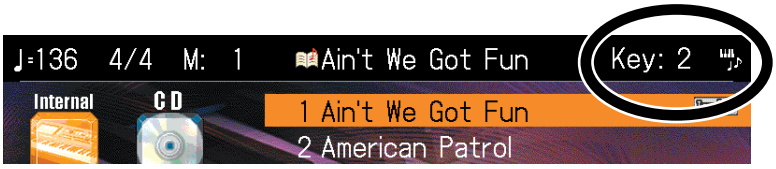
2. Use the KEY CONTROL [♭] [♯] buttons to change the key (pitch).

Each time you press a KEY CONTROL [♭] [♯] button, the key is changed by one semitone.

Press the [♭] button to lower the key, or press the [♯] button to raise the key.

This can be set in a range of -6–0–5 (semitone steps).

The main screen shows the value you've specified.



If transposed	Either the KEY CONTROL [♭] or [♯] button is lit.
If not transposed	The indicators of both the KEY CONTROL [♭] and [♯] buttons are extinguished.

3. If you press both of the KEY CONTROL [♭] [♯] buttons simultaneously, the setting will return to the default value of "0" (Key Control 0).

Enjoying Karaoke with a Music CD (CENTER CANCEL)

You can minimize the vocal sounds of a commercially available music CD, and sing the vocal part yourself. This is a convenient way to enjoy karaoke or practice soloing with a favorite music CD.

You can also minimize the vocal sounds of a song from a DVD or a portable audio player.

1. Insert the music CD you want to use into the CD drive, and select the song you want to sing (p. 38).

If you want to sing along with a song on DVD or a portable audio player, connect your DVD player (p. 70) or portable audio player (p. 72).

2. Press the [MUTE/CENTER CANCEL] button so it's lit.

The Center Cancel function is active.

While the song plays, you can press the [MUTE/CENTER CANCEL] button to eliminate the vocal sound.

3. Press the [PLAY/STOP] button to play the song.

When you play back the song, the sound of the melody or vocal will be minimized.

Sing along with the song.

NOTE For some songs, the vocal sound may not be eliminated completely.

4. Press the [PLAY/STOP] button to stop playback.

To Defeat the Center Cancel Function

1. Press the [MUTE/CENTER CANCEL] button so its light is turned off.

The Center Cancel function is turned off.

When you play back the song, the melody or vocal will be heard at its original volume.

Muting the Melody of an Internal Song or Music Files for a Sing-along (Melody Mute)

The "Melody Mute" function lets you temporarily mute the melody from the playback of an internal song or of music files. Let's try singing the melody while you listen to the song.

MEMO There's also a "Melody Guide function" (p. 61), which decreases the melody to a lower (but still audible) level. This provides a convenient way for you to learn the melody.

NOTE The Melody Mute function won't work with a music CD.

1. Prepare to play back the desired song.

If you want to play back SMF music files from a CD-ROM or USB memory, insert the CD-ROM into the CD drive (p. 38) or connect your USB memory to external memory connector (p. 104).

2. Select the song you want to sing (p. 35, p. 38, p. 42, p. 46).

3. Press the [MUTE/CENTER CANCEL] button so it's lit.

The Melody Mute function is turned on.
While the song plays, you can press the [MUTE/CENTER CANCEL] button to mute the melody.

4. Press the [PLAY/STOP] button to play back the song.

When the song plays, the sound of the melody will be temporarily muted.
Sing the melody while you listen to the song.

NOTE The melody channel will depend on the song. If the melody is not muted when you press the MELODY [MUTE/CENTER CANCEL] button, change the melody channel setting. → "Changing the Melody Channel (Melody Channel)" (p. 115)

5. Press the [PLAY/STOP] button to stop the song.

To Cancel the Melody Mute Function

1. Press the [MUTE/CENTER CANCEL] button so its light is turned off.

The Melody Mute function is turned off.
When you play back the song, the melody will return to its original volume.

Decreasing the Melody Volume of a Song (Melody Guide)

The "Melody Guide" function lets you decrease the volume of the melody of an internal song or SMF music files. Using this function, you can decrease the melody to a lower (but still audible) level, helping you to learn the melody while you sing along.

Once you're confident of the melody, you can use the Melody Mute function (p. 60) to completely cancel the melody while you sing.

NOTE The Melody Guide function won't work with a music CD.

1. Prepare the song that you want to play.

If you're playing back SMF music files from a CD-ROM or USB memory, insert the CD-ROM into the CD drive (p. 38) or connect your USB memory to external memory connector (p. 104).

2. Select the song you want to sing (p. 35, p. 38, p. 42, p. 46).

3. Press the MELODY [GUIDE] button so it's lit.

The Melody Guide function is turned on.

4. Press the [PLAY/STOP] button to play back the song.

When the song plays back, the volume of the melody will be temporarily lowered.

Go ahead and sing the melody while you listen to the song. The melody will be heard at a lower volume, so you can use it as a guide for your singing.

NOTE The melody channel will depend on the song. If the volume of the melody does not decrease when you press the MELODY [GUIDE] button, change the melody channel setting. → "Changing the Melody Channel (Melody Channel)" (p. 115)

5. Press the [PLAY/STOP] button to stop playback.

To Cancel the Melody Guide Function

1. Press the MELODY [GUIDE] button so its light is turned off.

The Melody Guide function is turned off.

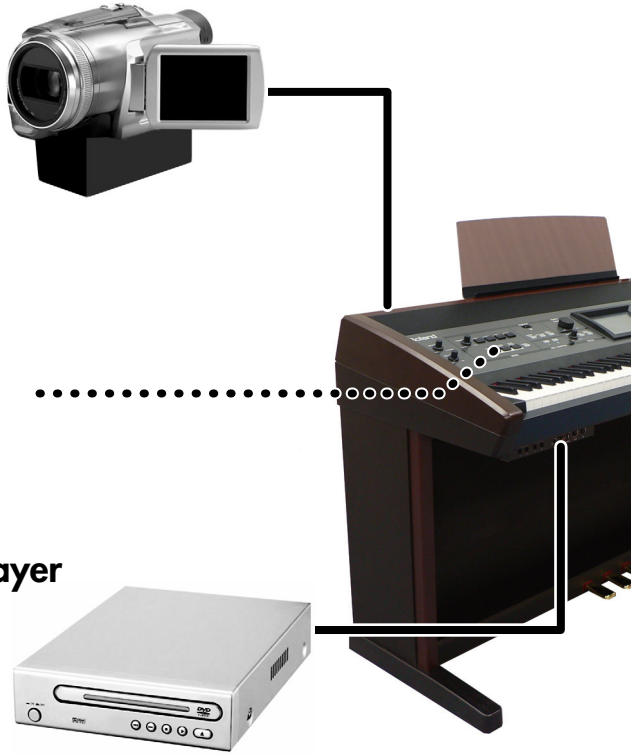
When you play back the song, the melody will return to its original volume.

Enjoying Music and Video with the VIMA

You can connect an external display or a television to the VIMA, and use it to watch the piano roll screen, a slide show, a notation, or video from another device connected to the VIMA.

Perform with a background image from a video camera → page 68

You can perform with a background image from your video camera. For example, you could perform in front of a big-screen image of yourself performing, or a family video you shot using your video camera.



Freely switch between video sources → page 78

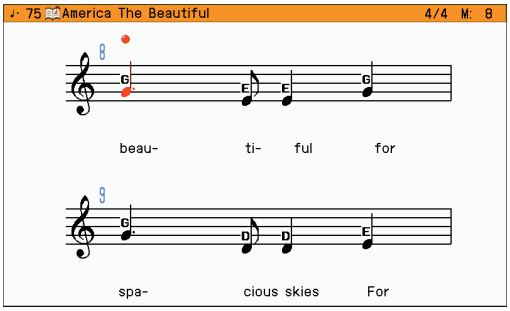
It's easy to switch between video source devices connected to the VIMA. You can create the perfect atmosphere by switching images as appropriate for the song you're playing or performing.

Perform with a background video from a DVD player → page 70

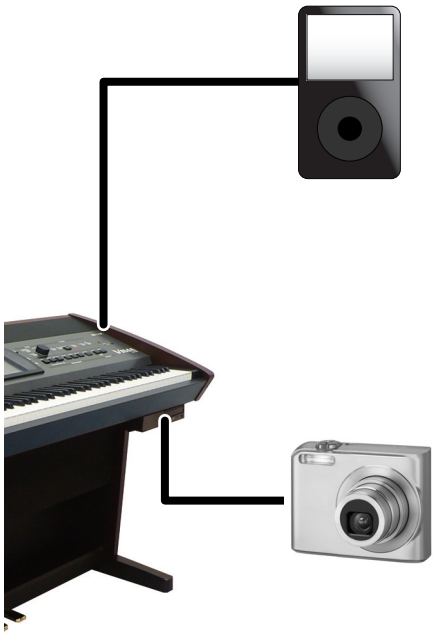
You can connect your DVD player, display the DVD video on a television or an external display connected to the VIMA, and listen to the music or narration from the VIMA's speakers. You can also cancel the sound of the DVD and perform to the background of the DVD video.

Perform while watching the notation → page 64

Internal songs, SMF music files, or songs you've recorded on the VIMA can be viewed as a notation, allowing you to play while watching the notation, or verify songs you've recorded. The notation can also be shown on a television or an external display screen, so everyone can sing along with the music that's shown on the big screen.



MEMO You can use the remote control unit to switch screens. For details, refer to "Remote Control Buttons" (p. 52).



Enjoy powerful sound and big-screen playback from your portable audio/video player → page 72

By connecting your portable audio/video player to the VIMA, you can enjoy powerful sound from the VIMA's speakers and big-screen playback from a television or an external display connected to the VIMA. You can also decrease the melody from the portable audio player connected to the VIMA and sing along yourself.

Enjoy a slide show of photos from your digital camera → page 75

Photos of your vacation or family can be viewed as a slide show on a big-screen television or other external display connected to the VIMA. Simply connect your digital camera to the VIMA using a USB cable, and you're ready to enjoy a slide show.

View lyrics → page 80

If you're playing internal songs or SMF music files that includes lyrics, you can view the lyrics on a television or an external display.
The lyrics can be shown on a background image from a video camera or DVD player connected to the VIMA. This lets you see the lyrics while you sing.

Enjoy the piano roll screen → page 66

The VIMA provides a piano roll screen, which reproduces the mechanism of a player piano.
If you play back a song while viewing the classic-type piano roll screen, the keys in the screen will move automatically, and the notes will be shown in the player piano image on the screen. You can enjoy the music not just with your ears but with your eyes also.

Performing while You Watch a Notation (DIGISCORE)

The VIMA can display a notation not only for the internal songs but also for SMF music files and for your own performance you recorded on the VIMA. This is a convenient way for you to perform while looking at the notation, or to check the notes in a performance you recorded.

Lyrics will also be displayed if you play back SMF music files that contains lyric data.

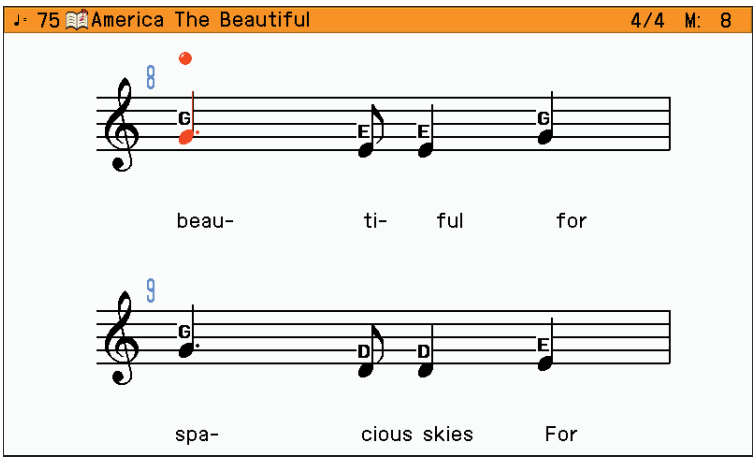
Since the notation can be shown not only on the VIMA's display but also on an external display or a television, you can play back a song and have everyone sing along from the notation shown on a big screen.

1. Select the song that you want to play (p. 35, p. 38, p. 42, p. 46).

2. Press the [DIGISCORE] button so it's lit.

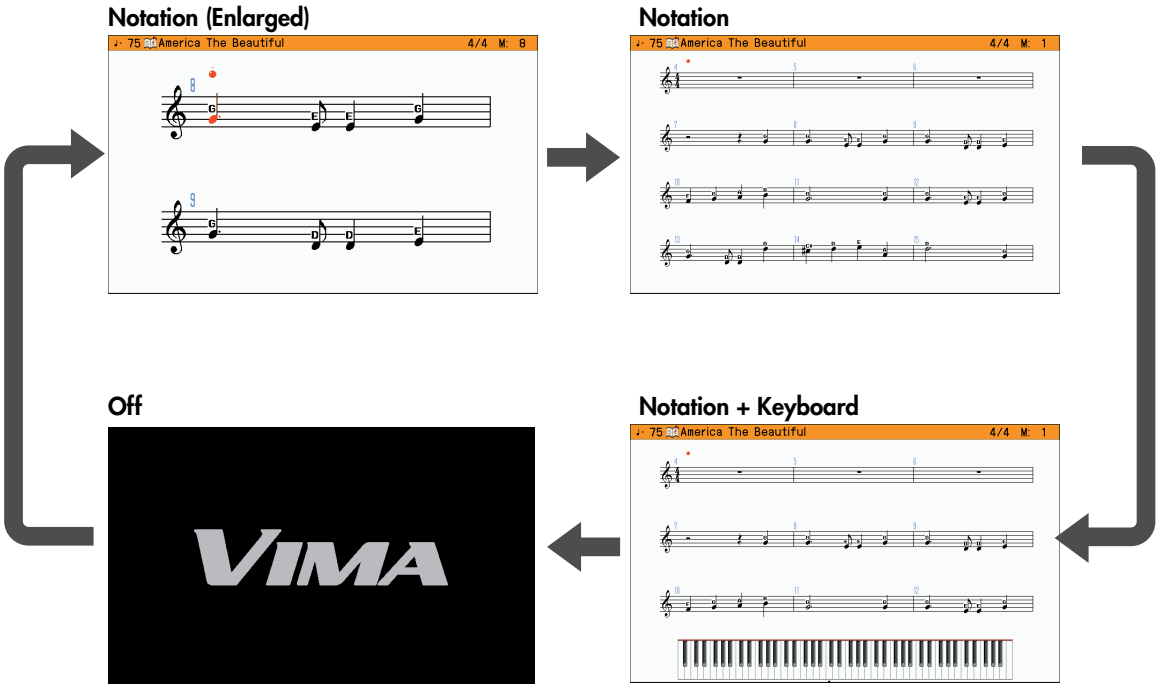
The notation of the selected song appears in the external display or television connected to the VIMA.

If you're playing SMF music files that contains lyric data, the lyrics will be displayed if you press the [LYRICS] button so it's lit.



3. You can switch the type of notation screen by pressing the [DIGISCORE] button several times.

The VIMA provides three types of notation screen. Each time you press the [DIGISCORE] button, the screen will change as follows.



4. Press the [PLAY/STOP] button to play the song.

The song will begin playing, and the notation pages will turn automatically as the song progresses.

Watch the notation, and play or sing along with the song.

You can press the [VIDEO MONITOR] button so it's lit, and watch the notation in the VIMA's built-in display.

5. Press the [PLAY/STOP] button to stop the song.

Notes About the Notation Display

- When displaying the notation for a song from USB memory, CD-ROM, or "Favorites," it will take some time for the data to be read from USB memory, CD-ROM, or user memory, so you may have to wait for a while before the notation appears.
- The displayed notation is generated from the music files, and gives priority to easy visibility in the screen rather than the accurate depiction of complex or sophisticated performances. For this reason, it may differ from commercially available printed scores. In particular, it is not suitable for depicting sophisticated or difficult pieces that require a detailed notation.
- In some cases, lyrics or notes in the notation screen may fall outside of the displayed area of the screen, and may not be visible.
- In some cases, the song may play back from the beginning if you display the notation while the song is playing.
- Notes will not appear in the screen if you select a part that contains no performance data. To change the part that's displayed, refer to "Changing the Melody Channel (Melody Channel)" (p. 115).
- A notation cannot be displayed for a song from a music CD.
- If you want to view the notation on an external display or television, we recommend that you connect it to the ANALOG RGB OUTPUT connector. This will provide a clearer picture than if you connect your display or television to the video output connector.

Watching the Notes while a Song Plays (Piano Roll)

The VIMA provides an on-screen simulation of a player piano.

When you play back a song while viewing the classic-type piano roll screen, the on-screen keyboard will move automatically and the notes will be shown in the screen. This provides a visual indication of the pitch and duration of each note. For even more enjoyment, the VIMA also provides Roland's own modern-type piano roll screen which lets you change the background image (wallpaper) and specify how the notes will appear.

The piano roll screen can be shown not just in the VIMA's built-in display but also on a large external display or television so that everyone can enjoy it.

1. Press the [PIANO ROLL] button so its indicator is lit.

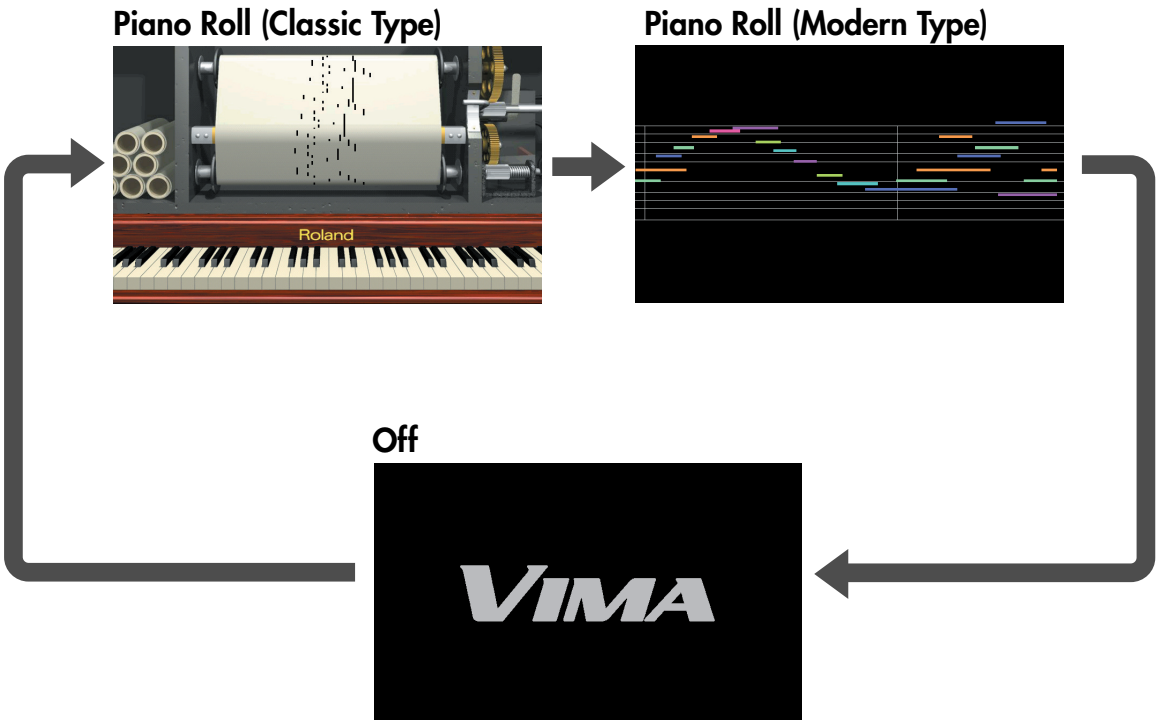
The piano roll screen appears.

MEMO If you want the VIMA's screen to show the piano roll screen, press the [VIDEO MONITOR] button located at the right of the screen. The VIMA's screen will show the same image as shown on the external display or television.

NOTE You can't display the piano roll screen for songs from a music CD.

2. Press the [PIANO ROLL] button to switch the type of piano roll screen.

Pressing the [PIANO ROLL] button repeatedly cycles you through the available choices for the piano roll screen, in this order: piano roll screen (classic type) → piano roll screen (modern type) → piano roll screen off → piano roll screen (classic type), ... etc.



3. Press the [PLAY/STOP] button to play back the song.

The song will play, and the notes will be shown in the screen.

MEMO Even while the song is playing, you can press the [PIANO ROLL] button to switch the type of piano roll screen.

4. Press the [PLAY/STOP] button to stop the song.

MEMO You can change the color of the piano for the classic type piano roll screen, and switch the background image or display method for the modern type piano roll screen. For details, refer to "Classic Type Piano Roll Screen Settings" (p. 121), "Modern Type Piano Roll Screen Settings" (p. 122).

MEMO You can use the keyboard to switch the type of piano roll that is shown in the screen. For details, refer to "Using the Keyboard to Switch the Display (Piano Roll Split)" (p. 119).

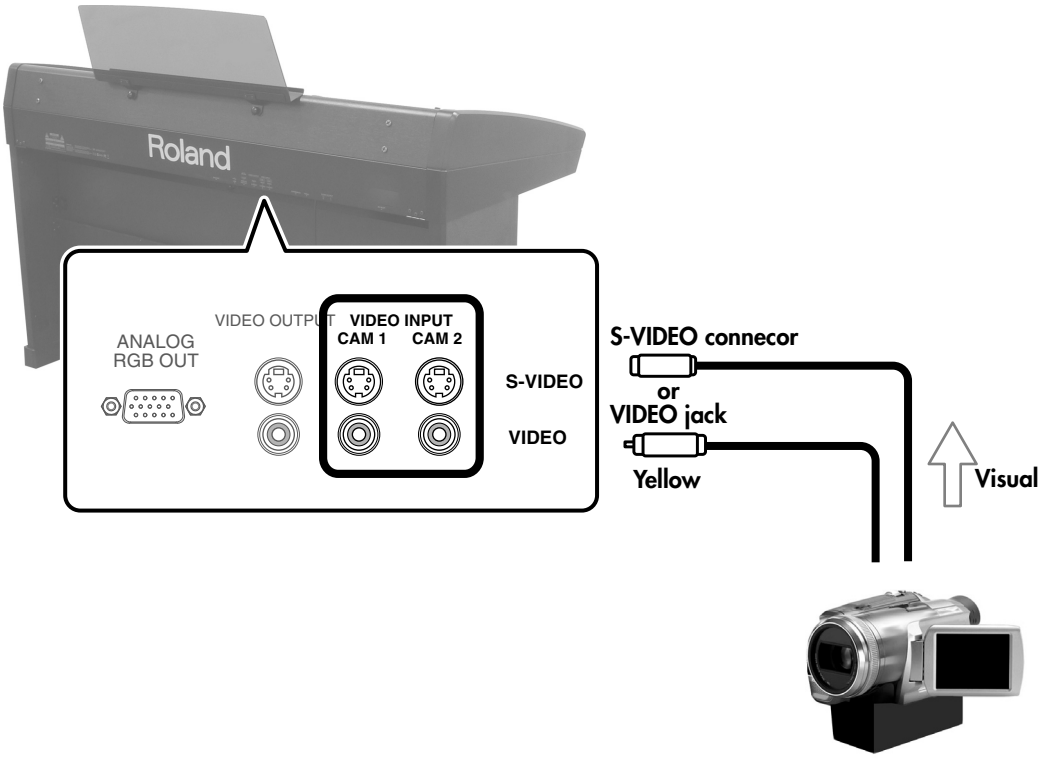
Performing with a Background Image from a Video Camera

The image from your video camera can be shown on an external display or a television connected to the VIMA. In the large external screen, you show yourself performing in real time, or show a video you've taken of your family for everyone to enjoy.

1. Connect your video camera.

You can connect your video camera to the CAM 1 connector or CAM 2 connector located on the VIMA's rear bottom. The VIMA provides both VIDEO (composite video) and S-VIDEO (S-video) jacks. Use the connector that matches the cable of your video camera.

MEMO For details, refer to the owner's manual of your video camera.



NOTE Video camera cables can differ depending on the model. Check the shape of the connector on the VIMA and on your video camera, and make sure you have the correct type of cable when making connections.

NOTE Make sure that the video camera you're connecting matches the television format selected on the VIMA.
For details on setting the television format of your video camera, refer to the owner's manual for your video camera. For details on setting the VIMA's television format, refer to "Specifying the Television Format (NTSC/PAL)" (p. 120).

2. Turn on the video function.

If you've connected your video camera to the VIDEO INPUT CAM 1 connector, press the [CAM 1] button so it's lit.

If you've connected your video camera to the VIDEO INPUT CAM 2 connector, press the [CAM 2] button so it's lit.

3. Make the appropriate video camera settings.

Turn on the power of your video camera. The image that's being captured or played back by your video camera will appear on the external display or television connected to the VIMA.

Perform or sing along with the background image from your video camera.

MEMO For details, refer to the owner's manual of your video camera.

MEMO If you press the [VIDEO MONITOR] button located at the right of the display, the VIMA's display will show the same image as the external display or television. This is a convenient way for you to monitor the image that's shown in the external display or television.

Turning Off the Video Function

4. Press the lit [CAM 1] button or [CAM 2] button, turning off its illumination.

If all of the video function select buttons are not lighted, the television or external display will show the VIMA logo (p. 33).

MEMO If an internal song or SMF music files with lyrics is playing back, you can press the [LYRICS] button to display the song lyrics over the background image from the video camera.

Performing with a Background Image from a DVD Player

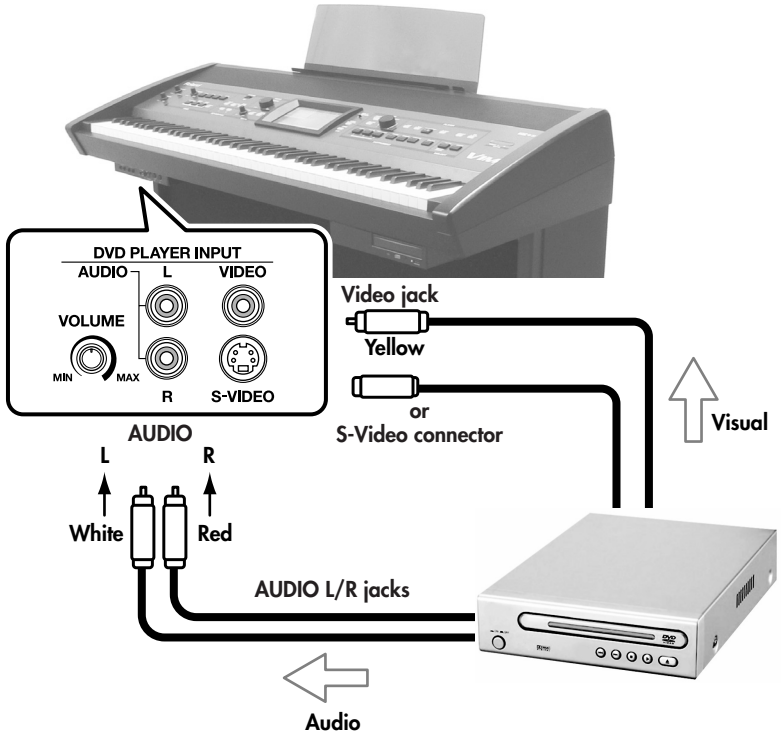
You can connect your DVD player and use an external display or a television connected to the VIMA to show the image from the DVD player while listening to the music or narration through the VIMA's speakers. You can also temporarily mute the DVD's sound on the VIMA and perform to the DVD's background video, or decrease the melody portion and sing the melody yourself.

1. Turn the DVD PLAYER INPUT [VOLUME] knob all the way to the left so that the volume is minimized.

2. Connect your DVD player.

If you want to connect your DVD player and display its video image, connect it to the DVD PLAYER INPUT video connector located at the left of the VIMA's front bottom. The VIMA provides both a VIDEO (composite) jack and S-VIDEO connector. Use the type of connector that's appropriate for your DVD player.
If you want to hear the audio from the DVD player, connect your DVD player's audio output jacks to the AUDIO L/R jacks of the DVD PLAYER INPUT section located at the lower left of the VIMA.

MEMO For details, refer to the owner's manual of your DVD player.



NOTE DVD player cables can differ depending on the model. Check the shape of the connector on the VIMA, and make sure you have the correct type of cable when making connections.

MEMO You can also connect your DVD player to the VIMA's CAM 1 connector or CAM 2 connector and view the video from your DVD player on the external display.

NOTE Make sure that the DVD player you're connecting matches the television format selected on the VIMA. For details on setting the television format of your DVD player, refer to the owner's manual for your DVD player. For details on setting the VIMA's television format, refer to "Specifying the Television Format (NTSC/PAL)" (p. 120).

3. Turn on the video function.

Press the video function select [DVD] button so it's lit.

4. Play back your DVD player.

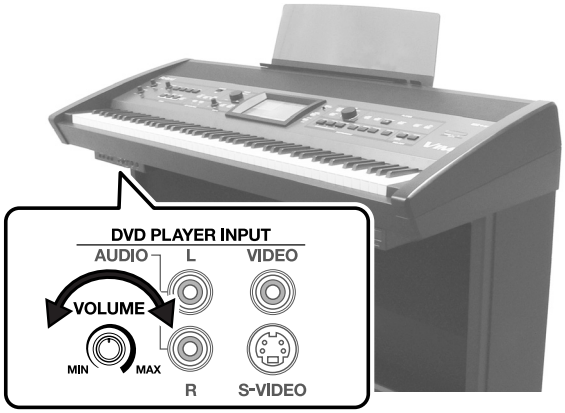
The external display or television connected to the VIMA will show the video being played by the DVD player. The audio from the DVD player will be played back through the VIMA's speakers.

MEMO For details on operation, refer to the owner's manual of your DVD player.

MEMO If you press the [VIDEO MONITOR] button located at the right of the display, the VIMA's display will show the same image as shown in the external display. This is a convenient way for you to see what's being shown in the external display or television.

5. Adjust the DVD volume.

To adjust the volume of the DVD, turn the DVD PLAYER INPUT [VOLUME] knob located at the bottom left of the VIMA. If you turn the DVD PLAYER INPUT [VOLUME] all the way toward the left, there will be no sound from the DVD.



6. If you want to decrease the vocal portion of the music from the DVD, press the [MUTE/CENTER CANCEL] button so it's lit.

This will decrease the vocal (melody) portion of the music from the DVD, allowing you to sing or play it yourself (p. 59).

MEMO You can change the pitch of the DVD player's sound. For details, refer to "Changing the Song to a Key that's Comfortable for Singing (KEY CONTROL)" (p. 58).

Turning Off the Video Function

7. Press the lit [DVD] button to turn off its illumination.

If all of the video function select buttons are not lighted, the television or external display will show the VIMA logo (p. 33).

NOTE If you connect a device (such as a video camera) that contains a microphone to the VIMA's DVD PLAYER INPUT connector, acoustic feedback (a whine or shriek) may occur depending on the position of your video camera relative to the speakers. If this occurs, take the following actions.

- Change the orientation of the video camera
- Move the video camera away from the speakers
- Lower the volume

Enjoying Powerful Sound and Big-screen Playback from Your Portable Audio/Video Player

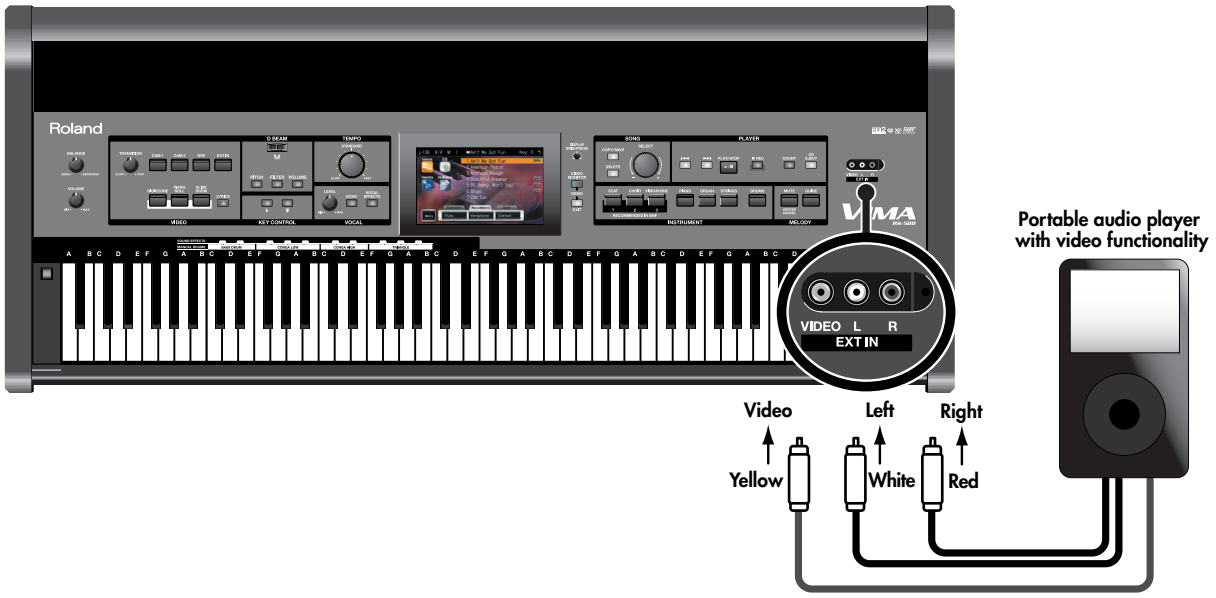
If your portable audio player has video capability, you can connect it so the video is shown on the external display or television and the music is heard from the VIMA's speakers.

1. Turn the [VOLUME] knob all the way to the left, minimizing the volume.

2. Connect your portable audio/video player.

When connecting your portable audio/video player, connect it to the VIMA's EXT INPUT (VIDEO, LEFT, RIGHT) jacks. Use the type of jacks that are appropriate for the cables you're using.

MEMO For details, refer to the owner's manual of your portable audio/video player.



NOTE Make sure that the portable audio player you're connecting matches the television format selected on the VIMA. For details on setting the television format of your portable audio player, refer to the owner's manual for your portable audio player. For details on setting the VIMA's television format, refer to "Specifying the Television Format (NTSC/PAL)" (p. 120).

3. Turn on the video function.

Press the video function select [EXT IN] button so it's lit.

4. Play back your portable audio/video player.

The external display or television connected to the VIMA will show the image from your portable audio/video player. The sound from your player will be heard from the VIMA's speakers.

MEMO For details, refer to the owner's manual of your portable audio player has video capability.

MEMO If you press the [VIDEO MONITOR] button located at the right of the display, the VIMA's display will show the same image as shown in the external display. This is a convenient way for you to see what's being shown in the external display or television.

5. Turn the [VOLUME] knob to adjust the volume.

6. If you want to decrease the vocal portion of the music from the portable audio player, press the [MUTE/CENTER CANCEL] button so it's lit.

This will decrease the vocal (melody) portion of the music from the portable audio player, allowing you to sing or play it yourself (p. 59).

MEMO You can change the pitch of the portable audio player's sound. For details, refer to "Changing the Song to a Key that's Comfortable for Singing (KEY CONTROL)" (p. 58).

Turning off the Video function

7. Press the lit [EXT IN] button to turn off its illumination.

If all of the video function select buttons are not lighted, the television or external display will show the VIMA logo (p. 33).

NOTE If you connect a device (such as a video camera) that contains a microphone to the EXT INPUT jacks, acoustic feedback (a whine or shriek) may occur depending on the position of your video camera relative to the speakers. If this occurs, take the following actions.

- Change the orientation of the video camera
- Move the video camera away from the speakers
- Lower the volume

Playing Photos Automatically (Slide Show)

What is a slide show?

Slide Show is a function that displays photos in succession. You can have the photos switch automatically at the time interval you specify, somewhat like watching a movie.

MEMO You can specify how the transition will occur between images (photos) in the slide show. For details, refer to "Selecting the Type of Slide Show (Type)" (p. 124).

Enjoying a Slide Show Along with Internal Songs or Songs from CD-ROMs Made for the VIMA

You can watch a slide show while listening to one of the VIMA's internal songs or songs from CD-ROMs made for the VIMA (VIMA TUNES).

The VIMA's internal songs provide slide show images that are appropriate for each song. This means that when you play back an internal song, a slide show suitable for that song can be automatically shown on the external display or television. Songs on a CD-ROM made for the VIMA (VIMA TUNES) also provide slide show images suitable for each song, making it easy for you to enjoy a slide show without having to provide your own photos.

1. Select an internal song or a song from a CD-ROM made for the VIMA (VIMA TUNES) (p. 35, p. 38).

2. Press the [SLIDE SHOW] button so it's lit.

3. Press the [PLAY/STOP] button to play back the song.

A slide show suitable for the character of the song will be shown on the external display or television connected to the VIMA.

MEMO If you play back a song that does not have slide show images (such as a song you recorded), the default slide show will appear.

Watching a Slide Show with Digital Camera Photos

Photos of your vacation or of your family can be displayed as a slide show on the large screen of a television or display connected to the VIMA. Simply use a USB cable included with your digital camera to connect your digital camera to the VIMA.

You can perform while displaying the slide show, or play back a song to add background music.

Image data that can be displayed

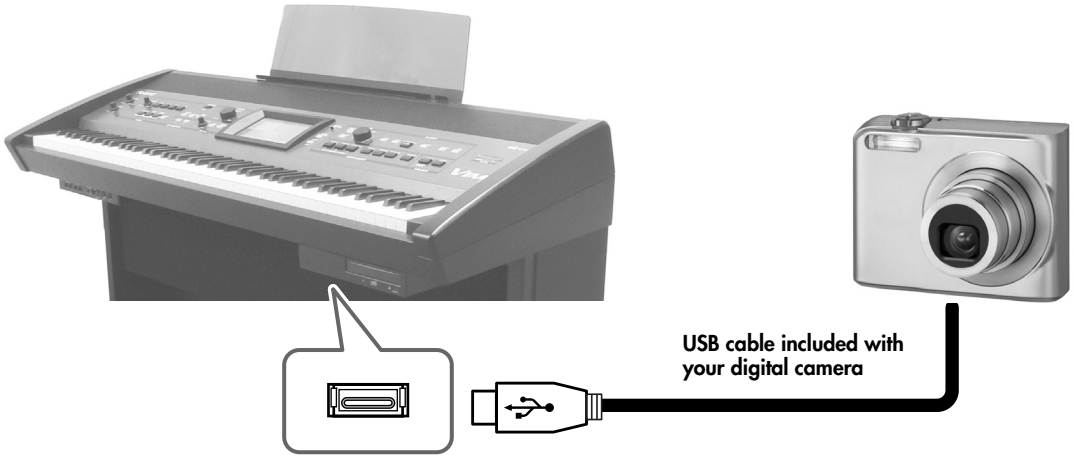
Size	Recommended: 640 x 480 pixels and 200 kilobytes or less (Images of 1280 x 960 pixels or smaller and 400 kilobytes or less are supported) * If you are taking photographs for the purpose of displaying them on the VIMA, we recommend that you set your camera to an image size of 640 x 480 pixels beforehand. * Taking a photograph at a resolution that is larger than recommended will not improve the quality of the image shown in the screen. In addition, a resolution that is higher than the screen size will mean that the amount of data is unnecessarily greater, lengthening the time required to switch to the specified image.
Format	JPEG format (.JPG)
Name	Assign a name that consists of five letters followed by a three-digit number; e.g., "IMAGE001.JPG"

NOTE You can only connect a digital camera that supports USB mass storage class or PTP format.

You can't operate the digital camera from the VIMA.

1. Make sure that your digital camera contains the photos you want to view as a slide show.

2. Use a USB cable to connect your digital camera to the VIMA's external memory connector.



MEMO For details on operation, refer to the owner's manual of your digital camera.

MEMO Use a USB cable to connect your digital camera.

3. Press the [SLIDE SHOW] button so it's lit.

4. Select the song that you want to play (p. 35, p. 38, p. 42, p. 46).

5. Press the [PLAY/STOP] button to play back the song.

The photos in your digital camera will be displayed as a slide show on the television or display connected to the VIMA.

When all of the photos have been displayed, the slide show will begin again from the first photo.

MEMO If you want to see the slide show on the VIMA's display, press the [VIDEO MONITOR] button located at the right of the display. The VIMA's screen will show the same content as shown in the external display or television.

NOTE If you are not successful in viewing a slide show with photos from your digital camera, refer to "Watching a Slide Show with Photos Saved on USB Memory" (p. 77).

Watching a Slide Show with Photos Saved on USB Memory

Photos (images) saved on USB memory can be displayed as a slide show.

1. On your computer, prepare the images that you want to display.

Image data that can be displayed

Size	800 x 480 pixels (recommended) (Images of 1280 x 960 pixels or smaller and 400 kilobytes or less are supported) * If you use images that are larger than the recommended size, it may take longer to switch images.
Format	JPEG format (.JPG)
Name	Assign a name that consists of five letters followed by a three-digit number; e.g., "IMAGE001.JPG"

2. Connect USB memory to your computer, and create a folder named "_PICTURE" on the USB memory.

3. Place the images you want to display in the "_PICTURE" folder.

4. Connect the USB memory containing the images you want to display to the VIMA's external memory connector.

5. Press the [SLIDE SHOW] button so it's lit.

6. Select the song that you want to play, and play back the song.

The images in the USB memory will be displayed as a slide show on the television or display connected to the VIMA.

NOTE Some images may not be displayed in the slide show if 500 or more images are contained in a single folder.

Tips for preparing slide show images

You can specify the first and last images of your slide show by giving them the following names.

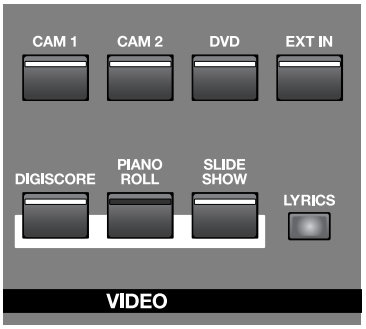
Order	Image name
First image	**BGN.JPG**
2nd image	IMAGE001.JPG
I	I
10th image	IMAGE009.JPG
Last image	**END.JPG**

Freely Switching Between Images

You can connect various video devices to the VIMA, and then use the video function select buttons on the VIMA's panel to freely control the image that's shown on the external display or television.

Video function select buttons

This refers to the following buttons.
[CAM 1] button
[CAM 2] button
[DVD] button
[EXT IN] button
[DIGISCORE] button
[PIANO ROLL] button
[SLIDE SHOW] button



1. Connect a variety of video devices to the VIMA.

Connecting a video camera → p. 68
Connecting a digital camera → p. 75
Connecting a DVD player → p. 70
Connecting a portable audio player → p. 72

2. Press the video function select buttons to switch the image shown in the external display or television.

Button	Function	Page
CAM 1	Switches to the image from the device connected to the CAM 1 connector.	p. 68
CAM 2	Switches to the image from the device connected to the CAM 2 connector.	p. 68
DVD	Switches to the image from the device connected to the DVD PLAYER INPUT connector.	p. 70
EXT IN	Switches to the image from the device connected to the EXT IN connector.	p. 72
DIGISCORE	Displays the notation.	p. 64
PIANO ROLL	Displays the piano roll screen.	p. 66
SLIDE SHOW	Displays a slide show along with the playback of an internal song or a song from a CD-ROM made for the VIMA (VIMA TUNES). Displays a slide show of photos from a digital camera or USB memory connected to the external memory connector.	p. 74 p. 75 p. 77

Turning off the Video function

1. Press video function select buttons to extinguish the indicators for all of the buttons.

If all of the video function select buttons are not lighted, the television or external display will show the VIMA logo (p. 33).

Specifying the Transition Time Between Images

When you press a video function select button to switch the image that's displayed, the currently displayed image will fade to black, and the image to be displayed next will appear gradually. You can adjust the time over which this transition occurs.

1. Turn the [TRANSITION] knob.

Turning the [TRANSITION] knob toward the left (toward "SLOW") will lengthen the transition time.
Turning the [TRANSITION] knob toward the right (toward "FAST") will shorten the transition time.

NOTE You can't use the [TRANSITION] knob to adjust the time interval at which images in the slide show will change. If you want to change the time interval of the slide show, refer to "Selecting the Interval at which Images will Change (Interval)" (p. 124).

Viewing Lyrics

If you're playing an internal song or SMF music files that contains lyrics, you can view the lyrics on an external display or television. You can view the lyrics against the background of an image shown from a video camera or DVD player connected to the VIMA. The notation screen will show the notation with the lyrics.

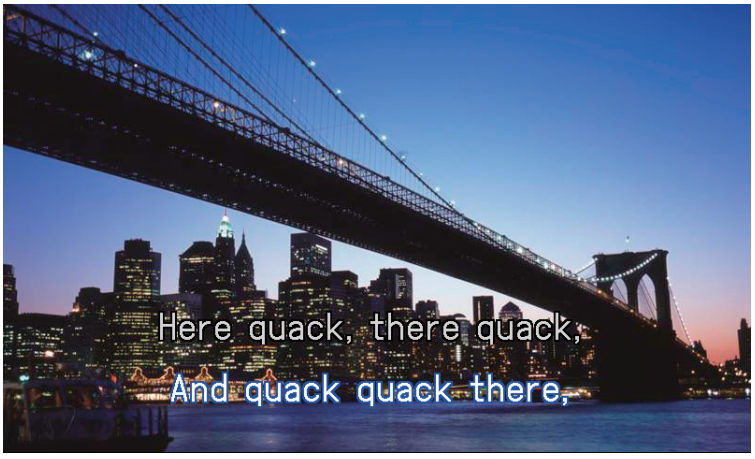
1. Select the song that you want to play (p. 35, p. 38, p. 42, p. 46).

Songs with lyrics are indicated by a Lyrics symbol beside the song name.

2. Press the [LYRICS] button so its indicator is lit.

3. Press the [PLAY/STOP] button to play back the song.

The lyrics appear in the external display or television.



NOTE Lyrics won't be displayed if all of the video function select buttons are not lighted (video function is off).

Turning off the Lyrics Display

1. Press the [LYRICS] button once again so its indicator goes out.

NOTE Lyrics cannot be displayed for a music CD.

Selecting the Sound Played from the Keyboard

The VIMA has seven "INSTRUMENT buttons."

Press an INSTRUMENT button to choose the instrumental sound you want to play from the keyboard.

1. In the main screen, touch <Standard> tab.

If the main screen is not shown, press the [EXIT] button several times to access the main screen.

2. Press one of the INSTRUMENT buttons to select an instrumental sound.

Button	Explanation
DRUMS	You can play drum sounds and sound effects from the keys C2–B3. The keys C4–C8 will play the instrumental sound that was selected before you pressed the [DRUMS] button (i.e., the tone button that is lit). * The A0–B1 keys will not produce sound. For details, refer to "Playing Sound Effects or Percussion Instruments from the Keyboard" (p. 83).

3. Play the keyboard.

You will hear the instrumental sound you choose.

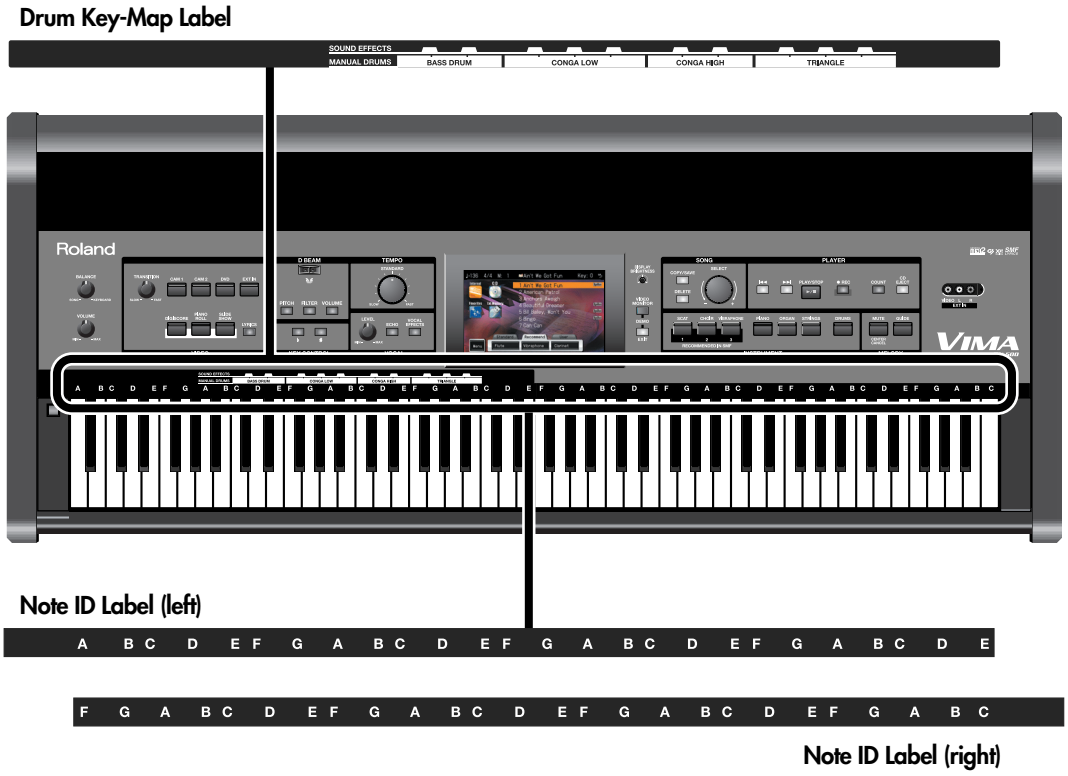
MEMO If you've selected "Recommend" (recommended tones) in the main screen, you'll be able to play instrumental sounds that are appropriate for the selected internal song or a song from a CD-ROM made for the VIMA (VIMA TUNES) (p. 84).

If you've selected "User" (user tones), you'll be able to play the sounds you assigned to INSTRUMENT buttons [1]–[3] (p. 86).

Affixing the Included Note ID Labels and Drum Key-Map Label

If desired, you can affix the included Note ID Label (two types) or Drum Key-Map Label (one label) in the locations shown below.

You may find this a helpful way to remember the note names, or useful when playing percussion instrument sounds.



Playing Sound Effects or Percussion Instruments from the Keyboard

You can play sound effects or percussion instrument sounds from the keyboard.

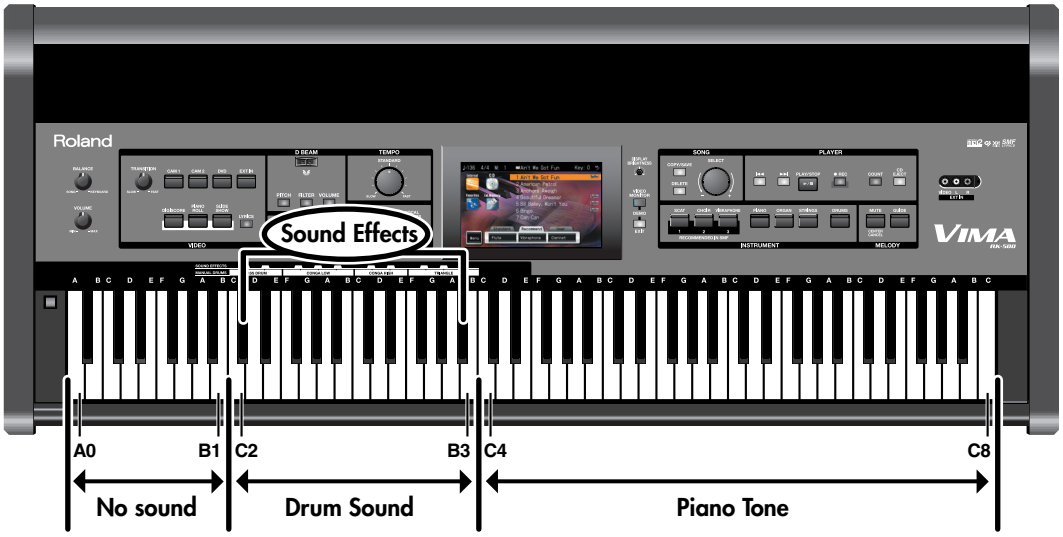
1. Press the [DRUMS] button so its indicator is lit.

2. Play notes in the C2–B3 range on the keyboard.

The white keys in the C2–B3 range will play drum sounds. The black keys in the C♯2 to B♭3 range will play sound effects.

The keys C4–C8 will play the instrumental sound that was selected before you pressed the [DRUMS] button (i.e., the tone button that is lit).

For example, if you had pressed the [PIANO] button and were playing the piano sound, and then pressed the [DRUMS] button, the keyboard will play the following tones.



Muting the Percussion Instrument Sounds

1. Press the [DRUMS] button to turn off its indicator.

Performing with Sounds that Match the Song (Recommended Tones)

When playing along on the keyboard while listening to an internal song or a CD-ROM made for the VIMA (VIMA TUNES), this function lets you play using instrumental sounds that are appropriate for the atmosphere of the selected song.

When you select an internal song or a song from a CD-ROM made for the VIMA (VIMA TUNES), sounds suitable for that song will automatically be assigned to the three buttons [1], [2], and [3]. You can use these three sounds to perform sounds that will match the character of that song.

If you want to select a song from a CD-ROM made for the VIMA (VIMA TUNES), insert the CD-ROM into the CD drive.

1. From the internal songs or a CD-ROM made for the VIMA (VIMA TUNES), select the song that you want to play (p. 35, p. 38).

When you select a song, three tones suitable for that song will automatically be selected.

2. Access the main screen.

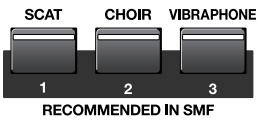
If the main screen is not shown, press the [EXIT] button several times to access the main screen.

3. In the bottom of the screen, touch <Recommend> tab.

The three recommended tones will be shown in the screen. The same three recommended tones will also be selected for the [1], [2], and [3] INSTRUMENT buttons.

4. Select the tone you want to play.

You can either touch one of the three tone buttons in the screen, or press the [1], [2], or [3] button.



5. Play along with the song.

The tones you play will be suitable for the character of the song.

Performing with Your Favorite Sounds (User Tones)

The VIMA contains the tones of numerous instruments in addition to the seven tones accessible through the INSTRUMENT buttons.

From this large selection of internal instruments, you can select and assign your favorite tones to the [1] button, [2] button, and [3] button. The sounds you assign (user tones) are remembered even when the VIMA's power is off, so you'll find it convenient to register your favorites as user sounds.

Setting User Tones

1. Access the main screen.

If the main screen is not shown, press the [EXIT] button several times to access the main screen.

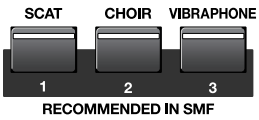
2. In the bottom of the screen, press <USER> tab.

The screen will show the three tones that are currently assigned as user tones. These three tones are also assigned to the [1], [2], and [3] INSTRUMENT buttons of the panel.

When the VIMA is shipped from the factory, "Nylon-str.Gt" is assigned to [1] button, "Trumpet" is assigned to [2] button, and "Flute" is assigned to [3] button.

3. Touch the button whose tone assignment you want to change.

You can also press one of the INSTRUMENT buttons [1], [2], or [3] to select the button whose tone assignment you want to change.



4. In the screen, touch <Tone>.

The user tone setting screen appears.

5. Touch the name of a tone group.

You can touch to switch screens.

6. Touch the name of a tone.

The selected tone will be assigned to the button as a user tone.

7. Press the [EXIT] button.

Selecting User Tones

1. Access the main screen.

If the main screen is not shown, press the [EXIT] button several times to access the main screen.

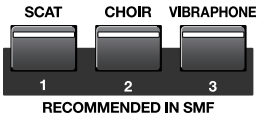
2. In the bottom of the screen, touch <USER> tab.

The screen will show the three tones that are currently assigned as user tones. These three tones are also assigned to the [1], [2], and [3] INSTRUMENT buttons of the panel.

3. Touch the user tone indication in the screen to select a user tone.

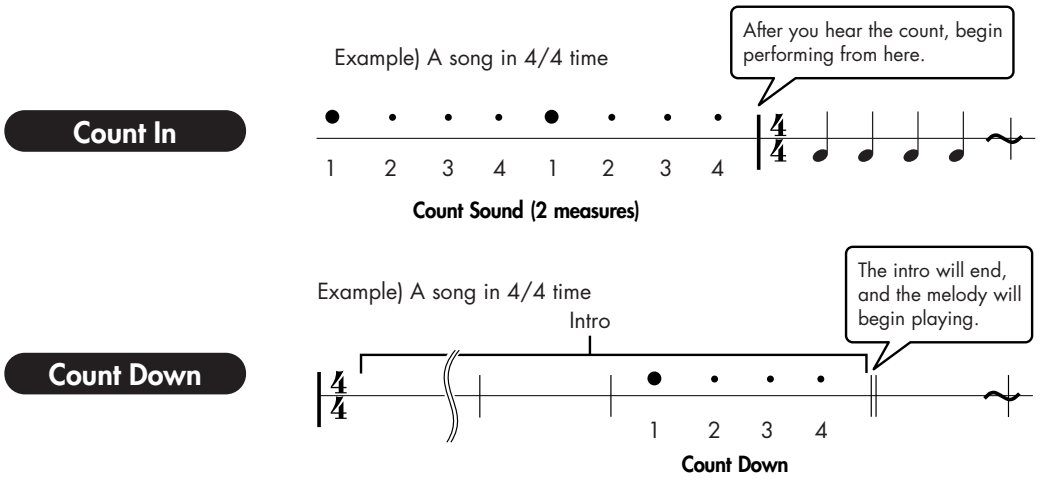
You can also select a user tone by pressing the [1], [2], and [3] INSTRUMENT buttons of the panel.

You will hear the selected tone when you play the keyboard.



Sounding a Count to Keep your Timing Accurate

If you're playing along with a song, you can sound a count to make it easier to synchronize your own playing with the song. A "count-in" is a count that is sounded before the song begins to play. A "count-down" is a count that is sounded at the end of the song's introduction (before you begin playing the keyboard).



1. Press the [COUNT] button so it's lit.

This enables the count to sound.

Type of count	How the count is sounded
Count In	A two-measure count sounds before the song plays.
Countdown	A one-measure count sounds at the end of the song's introduction
Count In/down	A two-measure count sounds before the song plays, and a one-measure count sounds at the end of the song's introduction

MEMO For more details, such as the sound used to play the count, refer to "Count Settings" (p. 125).

Stopping the Count from Sounding

1. Press the [COUNT] button to turn it off.

Adjusting the Volume Balance Between the Song and Keyboard

You can adjust the volume balance between the song that's playing and your performance on the keyboard.

If you're performing along with the playback of a song, lowering the volume of the song will make it easier for you to hear your own keyboard performance.

1. Turn the [BALANCE] knob to adjust the volume balance.

Operation	Explanation
Turning the [BALANCE] knob toward "SONG"	Decreases the volume of the keyboard.
Turning the [BALANCE] knob toward "KEYBOARD"	Decreases the volume of the song.

Using the D Beam Controller for Additional Enjoyment

Modifying the Sound

You can modify the sound simply by moving your hand above the D Beam controller located on the panel.

1. Press one of the D Beam buttons [PITCH], [FILTER], or [VOLUME] so it's lit and the D Beam controller is activated.

Button	Button status	Explanation
PITCH	Lit	Changes the pitch of the sounds you play on the keyboard.
FILTER	Lit	Changes the tonal character of the sounds you play on the keyboard. * For some sounds, the tonal change may be difficult to notice.
VOLUME	Lit	Changes the volume of the sounds you play on the keyboard.

2. Move your hand above the D Beam controller.

The effect assigned to the D Beam controller will be applied to the sound.

MEMO If one of the D Beam buttons, [PITCH], [FILTER], or [VOLUME] is blinking, a sound effect will be heard when you move your hand above the D Beam controller (p. 92).

Effective range of the D Beam controller

The illustration at right shows the effective range of the D Beam controller.
Moving your hand outside this range will not produce any effect.
The effective range of the D Beam controller will be drastically decreased under strong direct sunlight. Please be aware of this when using the D Beam controller outdoors.

NOTE The sensitivity of the D Beam controller will vary according to the brightness of its surroundings. If it does not operate as you expect, you can readjust the sensitivity. Increasing the D Beam sensitivity value (p. 126) will make it more sensitive.

Turning the D Beam Controller Off

3. Press the button you pressed in step 1 several times so its light is turned off.

Moving Your Hand Above the D Beam Controller to Produce a Sound Effect

You can produce various sound effects simply by moving your hand above the D Beam controller on the panel.

1. Press the D Beam [PITCH], [FILTER], or [VOLUME] button several times so the button is blinking.

Button	Button status	Explanation
PITCH	Blinking	A snare drum roll is produced.
FILTER	Blinking	Applause by a large audience is produced.
VOLUME	Blinking	The sound of a wind chime is produced.

MEMO If one of the D Beam [PITCH], [FILTER], or [VOLUME] buttons are lit, an effect will be applied to the sound when you move your hand above the D Beam controller (p. 91).

2. Move your hand above the D Beam controller.

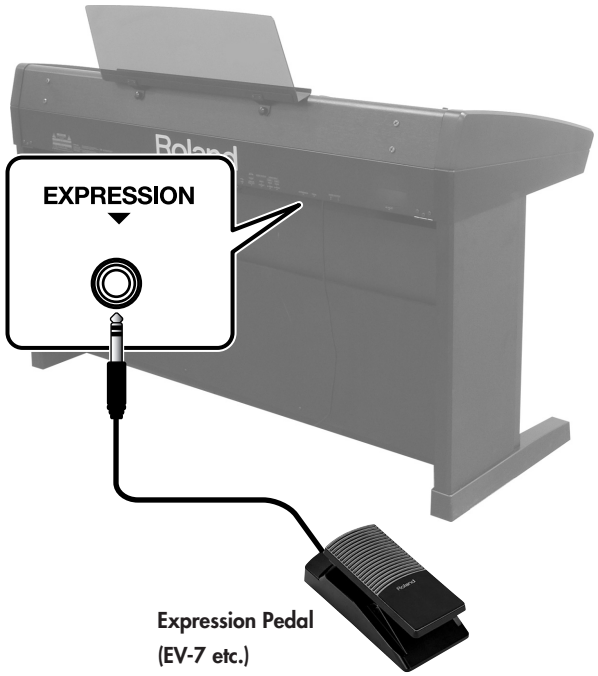
The sound effect assigned to the D Beam controller will play.

Turning the D Beam Controller Off

3. Press the button you pressed in step 1 several times so its light is turned off.

Using an Expression Pedal to Add Dynamics to Your Playing

You can connect an expression pedal (sold separately) and use it to adjust the volume. By varying the volume, you can add dynamic variety to your performance.
Depressing the pedal increases the volume, while releasing it decreases the volume.



1. Connect your expression pedal to the EXPRESSION jack located on the rear of the VIMA's bottom panel.

NOTE You must use the specified expression pedal (EV-7; sold separately). Connecting a pedal made by another manufacturer may cause the VIMA to malfunction.

2. Operate the expression pedal while you play the keyboard.

The volume of your keyboard playing will change, allowing you to add expressive dynamic changes to your performance.

If you operate the expression pedal while a song is playing, the song's volume will change.
If you operate the expression pedal while playing the keyboard along with a song, the volume of both the song and your keyboard performance will change.

Muting the Song Melody and Playing It Yourself (Melody Mute)

The "Melody Mute" function lets you temporarily mute the melody from the playback of an internal song or of music files. Let's try singing the melody while you listen to the song.

MEMO There's also a "Melody Guide function" (p. 95), which decreases the melody to a lower (but still audible) level. This provides a convenient way for you to learn the melody.

NOTE The Melody Mute function won't work with a music CD.

1. Prepare to play back the desired song.

If you want to play back SMF music files from a CD-ROM or USB memory, insert the CD into the CD drive (p. 38) or connect your USB memory to external memory connector (p. 104).

2. Select the song that you want to play (p. 35, p. 38, p. 42, p. 46).

3. Press the [MUTE/CENTER CANCEL] button so it's lit.

The Melody Mute function is turned on.

4. Press the [PLAY/STOP] button to play back the song.

When the song plays, the sound of the melody channel will be temporarily muted.
Play the melody yourself while listening to the other parts of the song.

NOTE The melody channel will depend on the song. If the melody is not muted when you press the [MUTE/CENTER CANCEL] button, change the melody channel setting.
→ "Changing the Melody Channel (Melody Channel)" (p. 115)

5. Press the [PLAY/STOP] button to stop the song.

To Cancel the Melody Mute Function

1. Press the [MUTE/CENTER CANCEL] button to turn it off.

The Melody Mute function is turned off.
When you play back the song, the melody will return to its original volume.

Hearing the Song Melody While You Play It (Melody Guide)

The "Melody Guide" function lets you decrease the volume of the melody of an internal song or SMF music files.

Until you've learned the melody, you can listen to the melody at a lower volume while you practice playing it yourself. When you've learned the melody, you can use the Melody Mute function (p. 94) to completely mute the melody and play it all by yourself.

NOTE The Melody Guide function won't work with a music CD.

1. Prepare to play back the desired song.

If you're playing back SMF music files from a CD-ROM or USB memory, insert the CD-ROM into the CD drive (p. 38) or connect your USB memory to external memory connector (p. 104).

2. Select the song you want to play (p. 35, p. 38, p. 42, p. 46).

3. Press the [GUIDE] button so it's lit.

The Melody Guide function is turned on.

4. Press the [PLAY/STOP] button to play back the song.

When the song plays back, the volume of the melody channel will be temporarily lowered. While listening to the song, play along with the melody. The melody will be heard at a lower volume, so you can use it as a guide.

NOTE The melody channel will depend on the song. If the volume of the melody does not decrease when you press the [GUIDE] button, change the melody channel setting.
→ "Changing the Melody Channel (Melody Channel)" (p. 115)

5. Press the [PLAY/STOP] button to stop playback.

To Cancel the Melody Guide Function

1. Press the [GUIDE] button to turn it off.

The Melody Guide function is turned off.

When you play back the song, the melody will return to its original volume.

Recording

The VIMA lets you record your own performances.

You can record yourself playing along with a song, or play back your recorded performance and listen to it.

The following types of recording can be done.

- Record along with an internal song or a SMF music file from USB memory or CD-ROM → “Recording Your Playing Along with a Song” (p. 99)
- Record just your own keyboard performance → “Recording Your Keyboard Performance” (p. 97)

Memo

The song you record will disappear when you turn off the power of the VIMA.

If you want to keep your performance, you must save it to internal memory in “Favorites.”

→ “Saving a Recorded Song in “Favorites”” (p. 102)

NOTE You can’t record along with a music CD song.

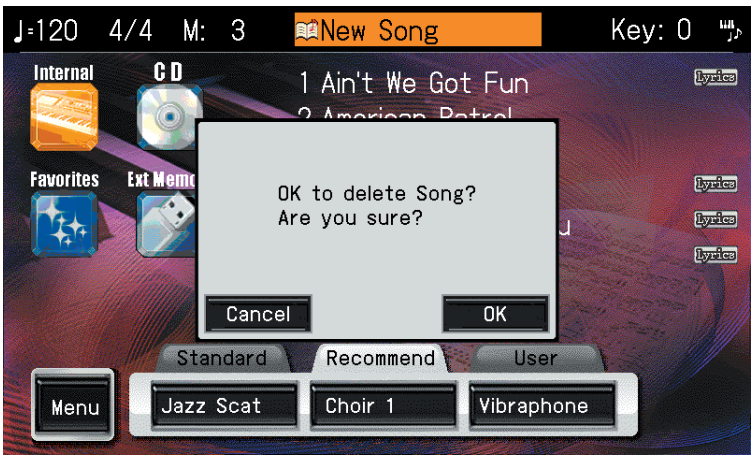
NOTE You can’t save songs on a CD, or delete songs from a CD. Nor can you format a CD.

If the following screen appears

A screen like the following will appear if you attempt to record a new song before saving the song you recorded.

If you don’t want to keep the song you recorded, touch <OK> to delete it.

If you don’t want to erase the song, touch <Cancel> to cancel the erasure. Then save your recorded song in “Favorites” (p. 102).



Recording Your Keyboard Performance

Here's how to record what you play on the keyboard without using an internal song.

Performance Settings

1. Select the sound that you want to use (p. 81).

Use the INSTRUMENT buttons or the touch panel to select the desired sound.

Recording Settings

2. Press the [● REC] button.

If a song was already selected before you pressed the [● REC] button, the following message will appear.

If you choose <New Song> when the previously recorded song has not been saved, a screen indicating "OK to delete Song? Are you sure?" will appear. For details, refer to "If the following screen appears" (p. 96). If you erase the song, the screen will indicate "New Song."

3. Touch <New Song>.

Now you can record a new song.
The VIMA enters recording-standby mode.
If you decide not to record, press the [● REC] button once again.

NOTE You can't record while the "Player" setting screen (p. 114) is displayed.

Start Recording

4. Press the [PLAY/STOP] button.

After a two-measure count, recording will begin.
Even if you don't press the [PLAY/STOP] button, recording will start when you play the keyboard. In this case, no count will sound.
When recording begins, the indicators for the [PLAY/STOP] button and [● REC] button will light.

Stop Recording

5. Press the [PLAY/STOP] button.

Recording stops.

Listen to the Performance You Recorded

6. Press the [⏮] button, and then press the [PLAY/STOP] button.

The recorded performance begins playing.

7. Press the [PLAY/STOP] button once again to stop the playback.

NOTE Your recorded performance will disappear when you turn off the power. If you want to keep your recorded performance, save it in "Favorites." Refer to "Saving a Recorded Song in "Favorites"" (p. 102).

NOTE When you press the [● REC] button, the "Play mode" setting (p. 115) will automatically be set to "One Song."

Recording Your Playing Along with a Song

Here's how to record your playing along with an internal song or a SMF music file from USB memory or CD-ROM.

The song being played back will be recorded together with your keyboard performance.

NOTE You can't record your performance along with a song from a music CD.

NOTE You can't record while the "Player" setting screen (p. 114) is displayed.

Performance Settings

1. Select a song.

For details on how to select a song, refer to "Listening to Songs" (p. 34).

If you want to record along with a SMF music files from USB memory, connect the USB memory before you continue (p. 104).

If you want to record along with a SMF music files from CD-ROM, insert the CD-ROM into the CD drive (p. 38).

NOTE You can't record yourself playing along with a music CD song.

2. Select the sound that you want to use (p. 81).

Use the INSTRUMENT buttons or the touch panel to select the desired sound.

3. Turn the [TEMPO] knob to specify the tempo for recording.

NOTE The tempo at which your performance was recorded will be stored as the tempo of the song you selected when recording.

If you record yourself playing along with a song, your performance will be recorded with the time signature of that song.

Recording Settings

4. Press the [● REC] button.

The following screen appears.

5. Touch <Add On>.

This setting lets you record while listening to the selected song.

The VIMA enters recording-standby mode.

If you decide not to record, press the [● REC] button once again.

NOTE When you press the [● REC] button, the "Play mode" setting (p. 115) will automatically be set to "One Song."

Start Recording

6. Press the [PLAY/STOP] button.

After a two-measure count, recording begins.

Even if you don't press the [PLAY/STOP] button, recording will start when you play the keyboard. In this case, no count will sound.

When recording begins, the indicators of the [PLAY/STOP] button and [● REC] button will light.

Stop Recording

7. Press the [PLAY/STOP] button.

Recording stops.

Listen to the Recorded Performance

8. Press the [⏮] button, and then press the [PLAY/STOP] button.

The recorded performance starts playing.

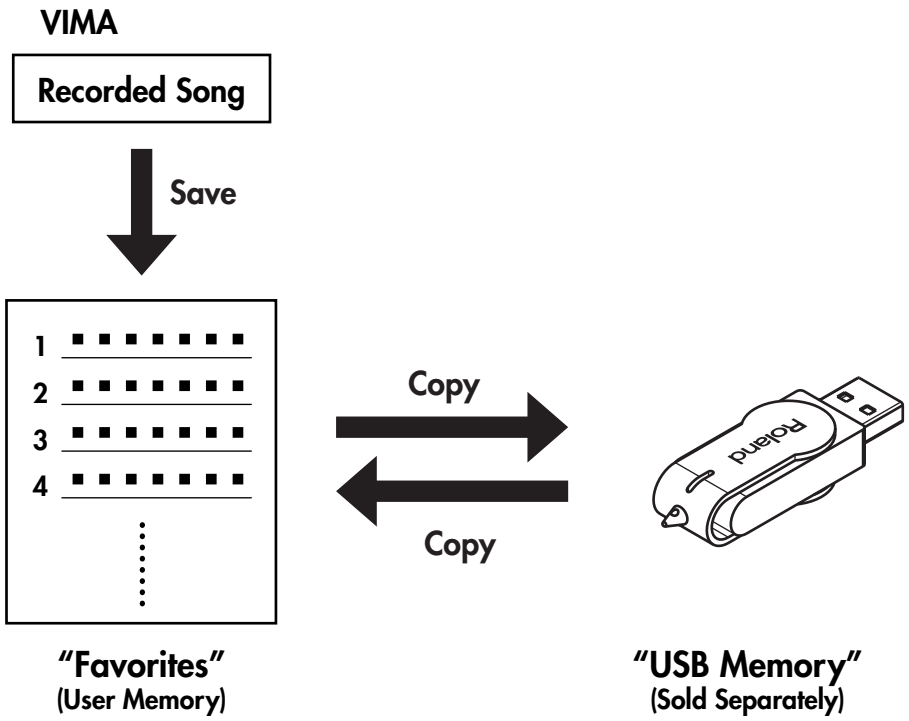
9. Press the [PLAY/STOP] button once again to stop playback.

NOTE Your recorded performance will disappear when you turn off the power. If you want to keep your recorded performance, save it in "Favorites." Refer to "Saving a Recorded Song in "Favorites"" (p. 102).

Saving Your Performance

About Saving and Copying

After recording a song, you can save it in "Favorites."
Songs saved in "Favorites" can also be copied to USB memory or other external memory.



NOTE A song you record cannot be saved directly into USB memory. You must save your recorded song in "Favorites," and then copy it to USB memory.

Saving a Recorded Song in “Favorites”

After recording a song, you can save it in “Favorites.”

If you record a song and then switch off the VIMA’s power before saving that song, it will be lost. Songs you save in “Favorites” will be preserved even when you turn off the power, so be sure to save the songs you want to keep.

1. Record your performance (p. 97, p. 99).

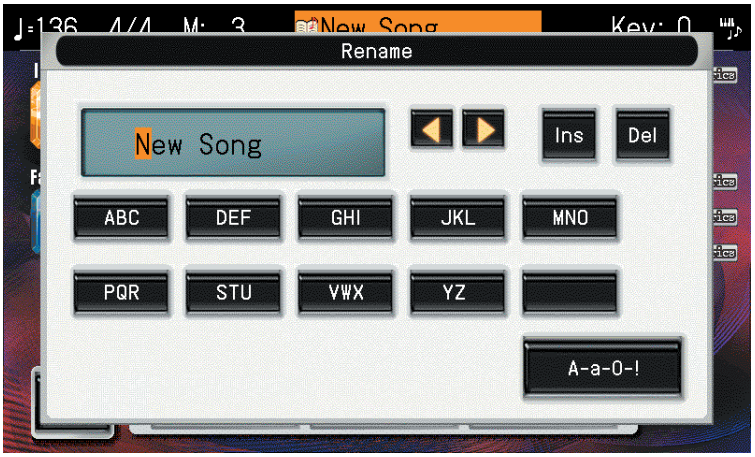
2. Press the [COPY/SAVE] button.

A message will ask you for confirmation.

If you touch <Cancel>, the Save operation will be cancelled.

3. Touch <OK>.

A screen like the following appears.
This screen lets you rename the song you've recorded.



If you don't want to rename the song, proceed to step 6.

4. Touch ◀ ▶ to move the cursor.

5. Enter the desired text.

Touch the icon for the character you want to enter, and that character will appear at the position of the cursor.
For example, each time you touch the <ABC> icon, the character to be entered will cycle in the order of A → B → C → A → ...
Touching < A–a–0–! > cycles you through the available selections for the character type, in this order: "Uppercase letters," "Lowercase letters," "Numerals," "Symbols."
You can touch <Del> (Delete) to delete the character at the cursor position.
You can touch <Ins> (Insert) to insert a space at the cursor position.

6. When you've finished editing the name, press the [EXIT] button.

Your song will be saved in "Favorites" under the name you edited.
To select songs saved in "Favorites," touch (Favorites) in the main screen and turn the [SELECT] knob.

NOTE Never turn off the power while the screen indicates <Saving...>. Doing so will damage the internal memory and render it unusable.

MEMO You can restore the songs and performances in "Favorites" to the factory-set condition. Refer to "Initializing User Memory (Format User Memory)" (p. 131).

Using USB Memory

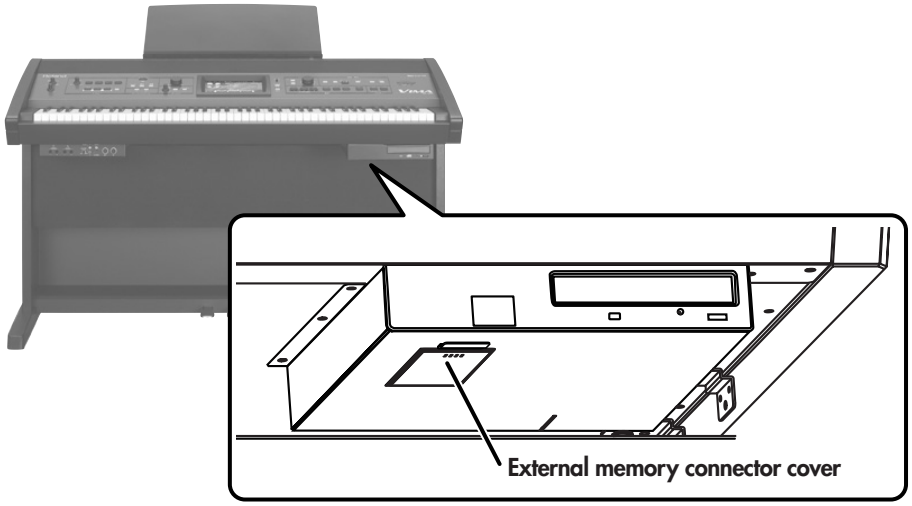
Songs you've recorded on the VIMA can be copied to USB memory (sold separately) for safekeeping. You can also play back SMF music files you've saved on USB memory, or copy this data to "Favorites."

NOTE Use USB memory availablefrom Roland. Proper functioning cannot be guaranteed if other external memory products are used.

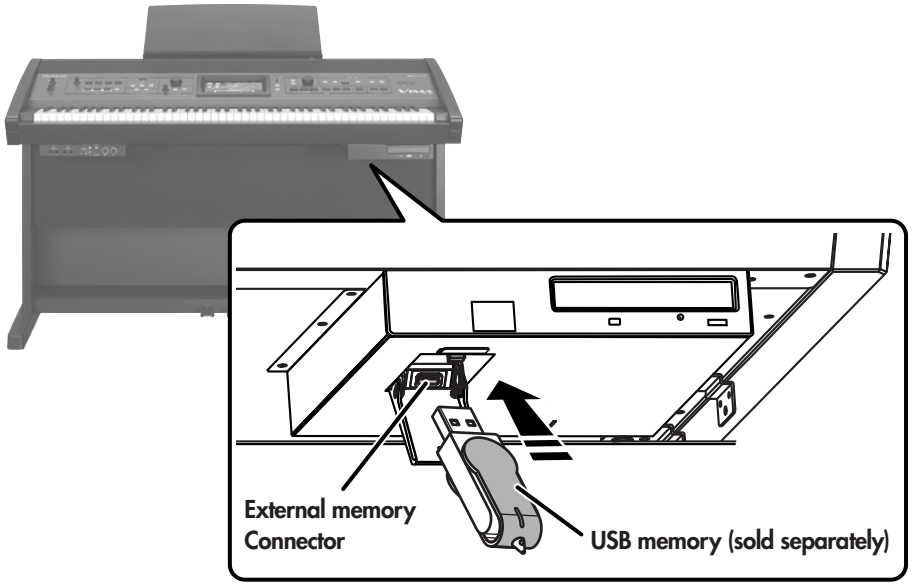
MEMO If you're using the USB memory for the first time, you must initialize (format) it on the VIMA. Refer to "Initializing USB Memory (Format)" (p. 106).

Connecting USB Memory

1. Press the front of the external memory connector cover to open it.



2. Connect your USB memory to the external memory connector.



Plug the USB memory all the way in so that it is firmly connected.

3. Press the front of the external memory connector cover to close it.

NOTE You must leave the external memory connector cover closed except while inserting or removing USB memory.

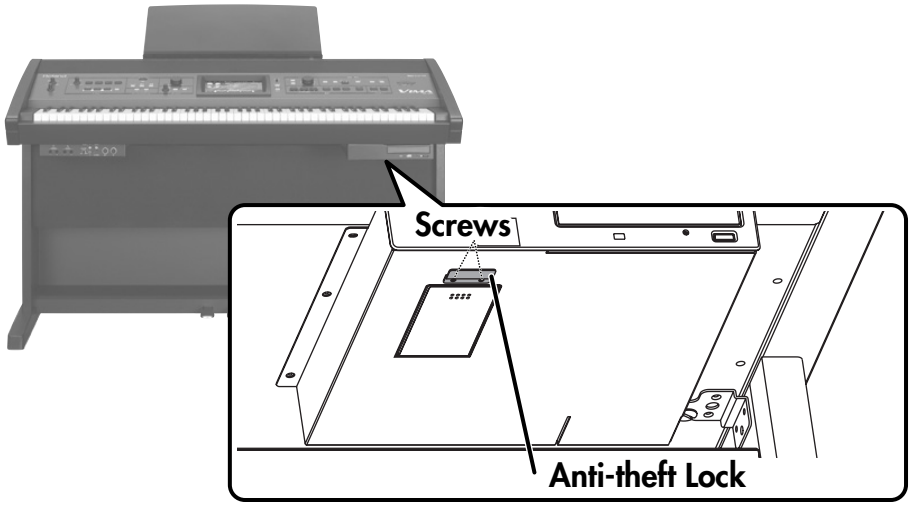
Locking the External Memory Connector Cover

You can lock the external memory connector cover to prevent theft of the USB memory (sold separately) connected to the external memory connector.

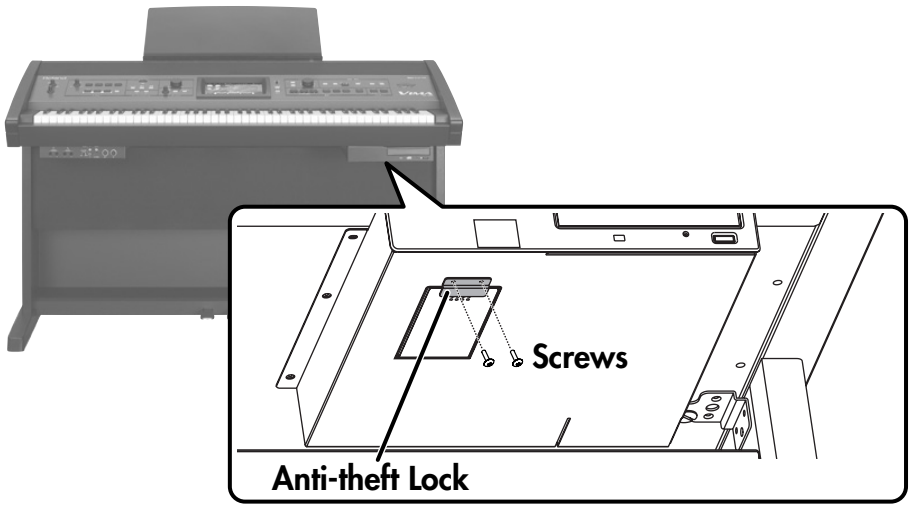
1. Connect the USB memory (refer to previous section).

2. Press on the front part of the external memory connector cover to close the cover.

3. Using a screwdriver, remove the anti-theft lock screws (two screws) to the side of the external memory connector cover.



4. Secure the anti-theft lock with the screws as shown below.



NOTE Be sure to replace removed screws when securing the anti-theft lock.

Initializing USB Memory (Format)

"Initialization" (formatting) is an operation that prepares USB memory so that it can be used with the VIMA.

If the USB memory is not formatted correctly for the VIMA, it cannot be used.

NOTE Formatting the USB memory will erase all the content stored on that USB memory. If you intend to format and reuse USB memory that has previously been used, you must make sure that it doesn't contain important data you need to keep.

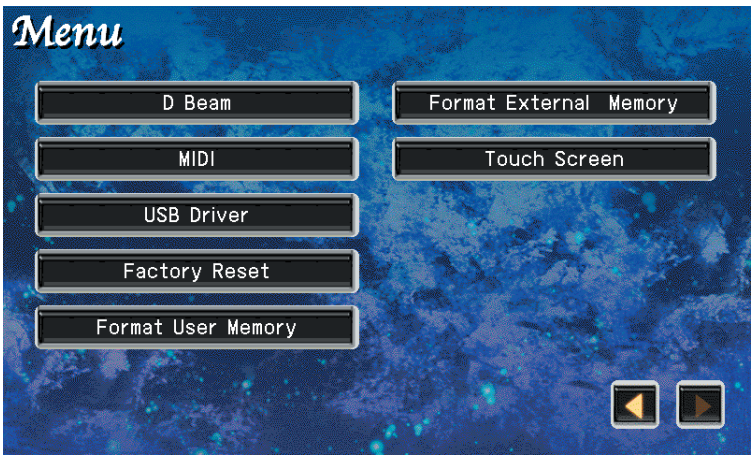
1. Connect the USB memory to the external memory connector (p. 104).

2. Access the main screen.

If the main screen is not shown, press the [EXIT] button several times to access the main screen.

3. In the main screen, touch <Menu>.

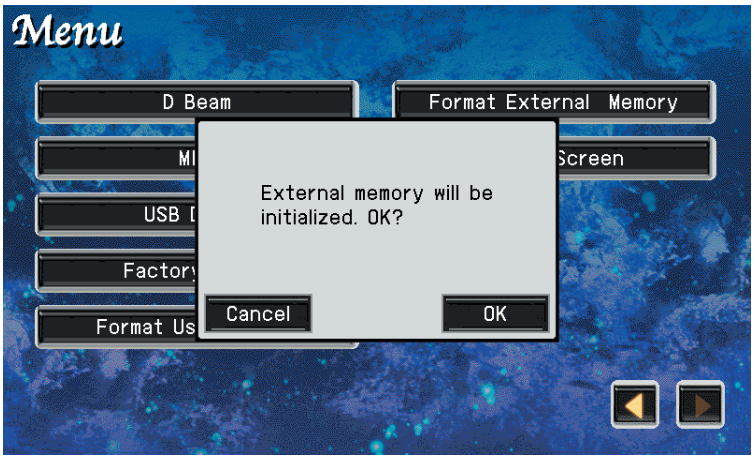
The menu screen appears.



The menu consists of two screens. Touch to switch between these screens.

4. Touch <Format External Memory>.

The following screen appears.



If you decide not to format the USB memory, touch <Cancel>.

5. Touch <OK>.

Formatting begins.

When formatting is complete, you're returned to the previous screen.

NOTE Never turn off the power while the screen indicates <Initializing...>. Doing so will destroy the USB memory, rendering it unusable.

NOTE Don't remove the USB memory until formatting is completed.

NOTE If the screen indicates "Error," refer to the "Error Messages" (p. 145).

NOTE This operation will not initialize any settings other than the contents of USB memory. If you want to return settings other than the contents of USB memory to the factory-set state, please execute Factory Reset (p. 130) and Initializing User Memory (p. 131).

Copying a Song

Copying a Song from “Favorites” to USB Memory

Here’s how you can copy a song saved in “Favorites” to USB memory.

In this way, songs you’ve recorded on the VIMA and saved in “Favorites” can be copied to USB memory.

1. Make preparations for copying.

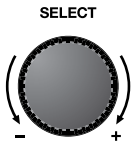
Connect the USB memory to which you’ll copy the song to the external memory connector (p. 104).

2. Access the main screen.

If the main screen is not shown, press the [EXIT] button several times to access the main screen.

3. Select the song that you want to copy to the USB memory.

Touch (Favorites) in the main screen to access the list of songs saved in "Favorites." Touch the screen or turn the [SELECT] knob to select the song you want to copy.



4. Press the [COPY/SAVE] button.

The following screen appears.

If you decide not to copy the song, touch <Cancel>.

5. Touch <OK>.

The song will be copied from "Favorites" to USB memory.
To select a song that was copied to USB memory, touch (Ext Memory) in the main screen and turn the [SELECT] knob.

NOTE Some song data contains copy-prohibit data, and cannot be copied.

NOTE Don't disconnect the USB memory from the external memory connector until the copy operation has been completed. Also, you must never turn off the power until the copy operation has been completed. Doing so will damage the USB memory or the VIMA's internal memory, rendering it unusable.

NOTE Nothing will happen if you press the [COPY/SAVE] button when no USB memory is connected to the external memory connector.

Copying a Song from USB Memory or CD-ROM to “Favorites”

You can copy a song from USB memory or CD-ROM to “Favorites” (p. 44).
If you’ve copied a song from CD-ROM or USB memory to “Favorites,” you’ll be able to play that song without having to insert the CD-ROM in the CD tray or connect the USB memory to the external memory connector. Since you can also copy internal songs to “Favorites,” you will find it convenient to copy songs that you listen to frequently.
Songs copied to “Favorites” will not disappear even if you turn off the power.

NOTE You can’t copy music CD songs to “Favorites.”

1. Make preparations for copying.

If you’re copying a song from USB memory, connect it to the external memory connector.
If you’re copying a song from CD-ROM, place the CD-ROM in the CD drive.

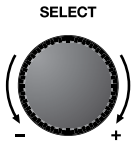
2. Access the main screen.

If the main screen is not shown, press the [EXIT] button several times to access the main screen.

3. Select the song that you want to copy to “Favorites.”

If you want to copy a song from USB memory, touch (Ext Memory) in the main screen. If you want to copy a song from CD-ROM, touch (CD) in the main screen.
The song list will appear in the main screen.

4. Turn the [SELECT] knob to select the song you want to copy.



5. Press the [COPY/SAVE] button.

The following screen appears.

If you decide not to copy the song, touch <Cancel>.

6. Touch <OK>.

The song will be copied from USB memory or CD-ROM to "Favorites."

To select a song you copied to "Favorites," touch (Favorites) in the main screen and turn the [SELECT] knob.

NOTE Don't disconnect the USB memory from the external memory connector or remove the CD-ROM until the copy operation has been completed. Also, you must never turn off the power until the copy operation has been completed. Doing so will damage the USB memory or the VIMA's internal memory, rendering it unusable.

NOTE You can save up to two hundred songs in "Favorites." However, if there is insufficient capacity remaining, the indication "Error: 11" will appear (p. 145), and you won't be able to save the song even though there are fewer than two hundred.

MEMO You can erase all of the content saved in "Favorites" and restore it to the factory-set condition. Refer to "Initializing user memory" (p. 131).

System Settings

1. Access the main screen.

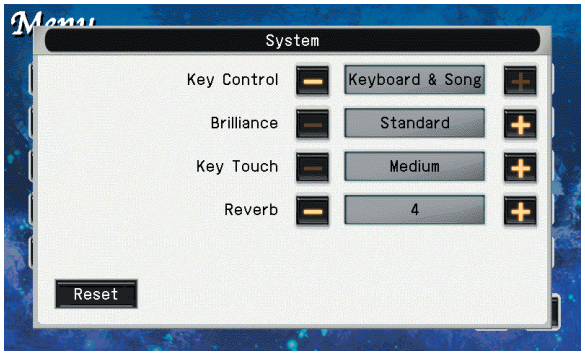
If the main screen is not shown, press the [EXIT] button several times to access the main screen.

2. In the main screen, touch <Menu>.

The menu screen appears.

3. Touch <System>.

A screen like the following appears.



4. To change the setting, touch [−] [+] for the item you want to specify.

5. Press the [EXIT] button when you're finished making settings.

Specifying What the Key Control Buttons will Affect (Key Control)

This setting specifies what the key control buttons will affect. You can use the key control buttons to change the pitch of both the song and the keyboard, the pitch of only the song, or the pitch of only the keyboard.

→ KEY CONTROL (p. 58)

Setting	Target
Keyboard	Keyboard notes
Song	Song playback
Keyboard & Song	Keyboard notes and song playback

Adjusting the Brightness of the Sound (Brilliance)

You can adjust the brightness of the sound you play from the keyboard.

Settings
Standard, Mellow, Bright

Adjusting the Keyboard Sensitivity (Key Touch)

You can adjust the sensitivity with which the keyboard responds to your playing.

Setting	Explanation
Medium	This setting offers the most natural-feeling touch, and is closest to the sensitivity of an acoustic piano.
Heavy	This setting requires that you play more strongly in order to produce fortissimo (ff) sounds, giving you the sensation that the keyboard is heavier. With this setting, you'll have greater expressive range when you play dynamically.
Light	This setting allows you to produce fortissimo (ff) sounds without having to play so strongly, giving you the sensation that the keyboard is lighter. A child whose hand strength is not yet developed will find it easy to play using this setting.
Fixed	With this setting, all notes will sound at a fixed volume regardless of how strongly you play the keyboard.

Adding Reverberation (Reverb)

You can add reverberation (reverb) to the sound.
Adding reverb will produce the spacious sensation of performing in a concert hall.

Settings	Explanation
Off, 1–10	Higher settings produce deeper reverb, enhancing the sense of spaciousness and depth. With a setting of Off there will be no reverb.

Tuning Settings

1. Access the main screen.

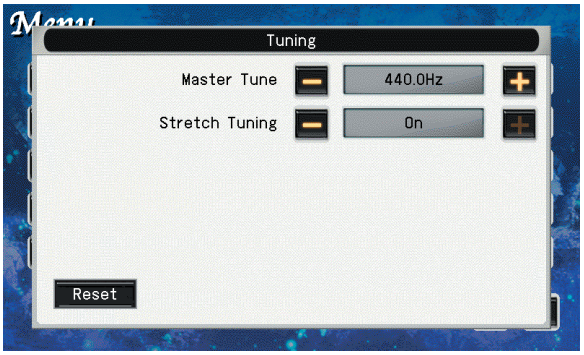
If the main screen is not shown, press the [EXIT] button several times to access the main screen.

2. In the main screen, touch <Menu>.

The menu screen appears.

3. Touch <Tuning>.

A screen like the following appears.



4. To change the setting, touch [−] [+] for the item you want to specify.

5. Press the [EXIT] button when you're finished making settings.

Matching the Pitch with Other Instruments (Master Tune)

When playing together with other instruments, this setting lets you adjust the VIMA's standard pitch to match the other instruments.
Standard pitch is usually expressed as the frequency of the middle-A note of the keyboard. This "Master Tuning" setting is what you will adjust when you need to match the VIMA's pitch to other instruments.

Settings
415.3 Hz–440.0 Hz–466.2 Hz

MEMO If you continue touching the master tuning [−] [+], the value will change continuously.

Changing the Tuning Curve (Stretch Tuning)

If you're playing a piano sound, you can change the tuning curve.
Pianos are normally tuned in a unique temperament called "stretch tuning," which tunes the notes of the lower range slightly flatter than the equal tempered pitches, and the notes of the upper range slighter sharper.

Setting	Explanation
On	This tuning curve applies a slight adjustment to the low and high ranges, and is a good choice when you're playing a piano solo.
Off	This is the standard equal temperament, and is the appropriate choice when you're playing together with other instruments.

Player Settings

1. Access the main screen.

If the main screen is not shown, press the [EXIT] button several times to access the main screen.

2. In the main screen, touch <Menu>.

The menu screen appears.

3. Touch <Player>.

A screen like the following appears.

4. To change the setting, touch [−] [+] for the item you want to specify.

5. Press the [EXIT] button when you're finished making settings.

Continuous Playback (Play Mode)

Here you can specify how songs will play back.
Normally, when you select and play back a song, playback will stop when the selected song ends. The VIMA also lets you play songs continuously.

Setting	Explanation
One Song	Only the selected song will play back. When the selected song plays to its end, playback will automatically stop.
All Song	Starting with the selected song, all songs in the selected location (p. 34) will play back in order. When the last song has ended, playback will resume from the first song in that location.
Random	The songs in the selected location will be played in random order.

NOTE When you press the [● REC] button, the "Play Mode" setting will automatically be set to "One Song."

NOTE You can't record while the "Player" setting screen is displayed.

Changing the Time Signature (Beat)

This specifies the time signature of the song when recording your own performance.

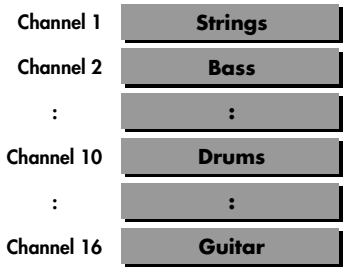
Settings
2/2, 2/4, 3/4, 4/4, 5/4, 6/4, 7/4, 3/8, 6/8, 9/8, 12/8

Changing the Melody Channel (Melody Channel)

If the Melody Guide function (p. 61, p. 95) fails to lower the volume of the song's melody, or if the Melody Mute function (p. 60, p. 94) fails to mute the melody of the song, you should try changing this setting.

Settings (channel)
1–16

Most commercially available SMF music files consists of sixteen channels (parts).
Each channel contains a separate performance; for example, channel 1 might contain strings and channel 2 bass, with the drums on channel 10. The song data consists of these sixteen channels of performances, played back simultaneously.



Normally, when you play back Roland SMF music files (p. 151), the melody is assigned to channel 4.
However, some commercially available SMF music files assigns the melody channel to a different channel. In such cases, you'll need to change this setting to the channel that is used by your music files.

Remote Control Settings

1. Access the main screen.

If the main screen is not shown, press the [EXIT] button several times to access the main screen.

2. In the main screen, touch <Menu>.

The menu screen appears.

3. Touch <Remote Control>.

A screen like the following appears.

4. To change the setting, touch [−] [+] for the item you want to specify.

5. Press the [EXIT] button when you're finished making settings.

Disabling the Remote Control Unit (Remote Control)

You can disable the remote control function so that the included remote control unit will not operate the VIMA. This lets you eliminate the possibility that a remote button might be accidentally pressed, changing the VIMA's settings unintentionally.

Setting	Explanation
On	The remote control unit will operate the VIMA.
Off	The remote control unit will be disabled.

Assigning Functions to the Remote's Buttons (FUNC 1, FUNC2)

These let you change the functions that are assigned to the remote control's [FUNC 1] button and [FUNC2] button.

Setting	Explanation
Melody Mute	Mutes the sound of the melody channel, or minimizes the vocal sounds of a music CD. → Melody Mute / Center Cancel functions (p. 59, p. 60, p. 94)
Melody Guide	Lowers the volume of the melody channel (p. 115). → Melody Guide function (p. 61, p. 95)
Lyrics	Switches display of lyrics on (displayed) or off (hidden) (p. 80).

Vocal Settings

1. Access the main screen.

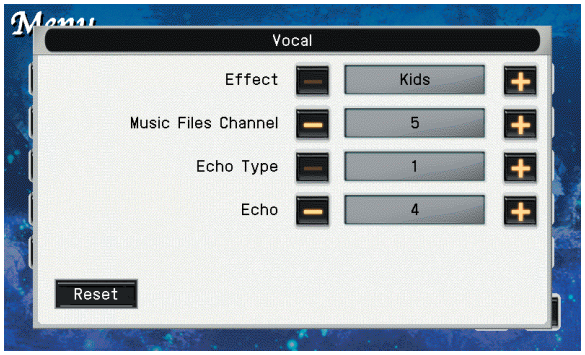
If the main screen is not shown, press the [EXIT] button several times to access the main screen.

2. In the main screen, touch <Menu>.

The menu screen appears.

3. Touch <Vocal>.

A screen like the following appears.



4. To change the setting, touch [−] [+] for the item you want to specify.

5. Press the [EXIT] button when you're finished making settings.

Switching the Type of Vocal Effect (Effect)

The VIMA provides a "Vocal Effect function" that lets you apply an effect to the sound from the microphone (p. 57). You can change the effect applied to the microphone by selecting from a variety of vocal effects.

Setting	Explanation
Kids	Your voice will be given a child-like character.
Bear	Your voice will be given a character suggestive of a large animal.
Robot	Your voice will be given a robot-like character.
Duck	Your voice will be given a duck-like character.
Alien	Your voice will be given a character suggestive of a space alien.
Computer	Your voice will be given a computer-like character.
Female	A male voice will be given the character of a female voice.
Male	A female voice will be given the character of a male voice.
Pitch Correct	The pitch of your voice will be corrected to match the melody of the song. * *For more about the melody channel, refer to "Changing the Melody Channel (Melody Channel)" (p. 115).*
Music Files	When you sing while music files is playing, harmony will be added at the pitch of the channel you specify. * *If you select "Music Files," you'll need to specify the channel used for harmony. For details, refer to "Specifying the Harmony Channel when Vocal Effect is set to "Music Files" (Music Files Channel)" (p. 118).*

If you've selected "Music Files" as the Vocal Effect type, you'll also need to perform the following operations.

1. Select the song that you want to use for harmony.

If you want to select a song from USB memory, connect your USB memory to the external memory connector. If you want to select a song from CD-ROM, insert the CD-ROM into the CD drive. For details on how to select songs, refer to "Listening to Songs" (p. 34).

2. In "Music Files Channel" (p. 118), select the channel that you want to use as harmony.

3. Press the [VOCAL EFFECTS] button so its indicator is lit.

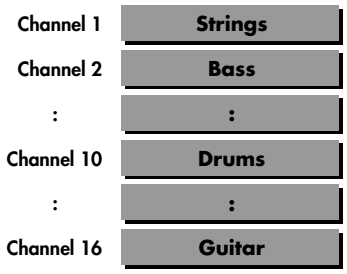
Sing along with the song into the microphone, and harmony will be added at the pitches of the channel you specified.

Specifying the Harmony Channel when Vocal Effect is set to "Music Files" (Music Files Channel)

If you've selected "Music Files" as the Vocal Effect type, you can select the channel (part) whose notes will be used to add harmony.
→ Vocal effect (p. 57)

Settings (Channel)
1–16

Most commercially available SMF music files consists of sixteen channels (parts).
Each channel contains a separate performance; for example, channel 1 might contain strings and channel 2 bass, with the drums on channel 10. The song data consists of these sixteen channels of performances, played back simultaneously.



Normally, when you play back Roland SMF music files (p. 151), the harmony is assigned to channel 5.
However, some commercially available SMF music files assigns the melody channel to a different channel. In such cases, you'll need to change this setting to the channel that is used by your music files.

NOTE Some music files may not contain harmony data.

Selecting the Type of Mic Echo (Echo Type)

You can select the type of mic echo.
→ Mic echo (p. 56)

Setting	Explanation
1	A beautiful reverberation will be added.
2	A karaoke-type echo will be added.

Adjusting the Microphone Echo (Echo)

Here's how to adjust the depth of the microphone echo when Mic Echo is on.
→ Mic echo (p. 56)

Setting	Explanation
1–10	Higher values produce a greater amount of echo.

Video Settings

1. Access the main screen.

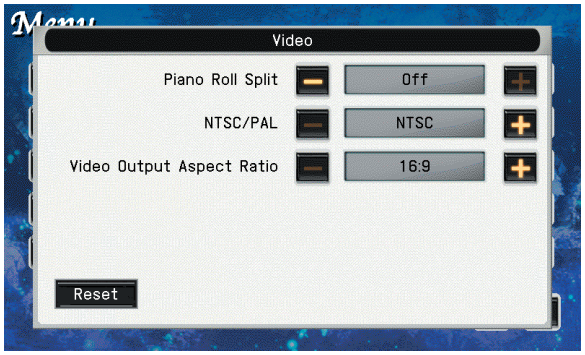
If the main screen is not shown, press the [EXIT] button several times to access the main screen.

2. In the main screen, touch <Menu>.

The menu screen appears.

3. Touch <Video>.

A screen like the following appears.



4. To change the setting, touch [−] [+] for the item you want to specify.

5. Press the [EXIT] button when you're finished making settings.

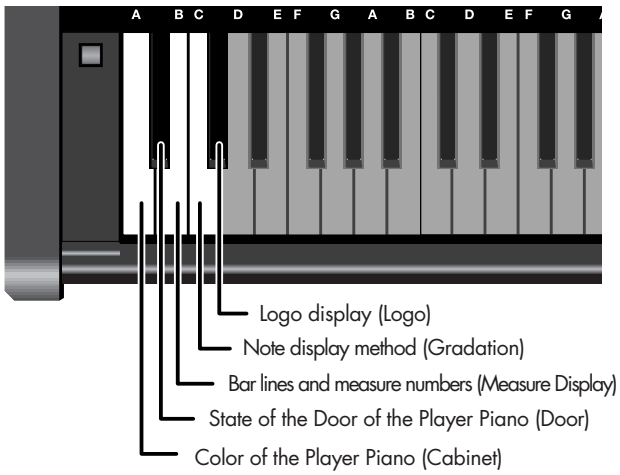
Using the Keyboard to Switch the Display (Piano Roll Split)

When the Piano Roll screen is shown, you can use the keyboard to switch the type of display.

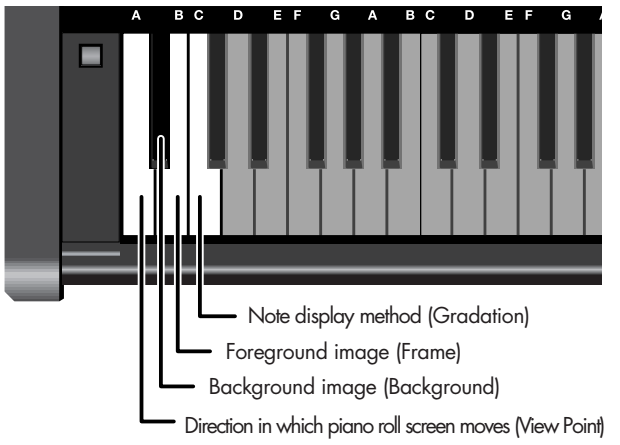
NOTE If you use the keyboard to switch the display, the lowest five keys will not produce sound.

Setting	Explanation
On	**When the piano roll (classic type) screen is displayed** You can use the five lowest notes of the keyboard to switch the type of display (p. 121). **When the piano roll (modern type) screen is displayed** You can use the four lowest notes of the keyboard to switch the type of display (p. 122).
Off	Playing the keyboard will not switch the display type. The lowest five notes of the keyboard will play sounds.

Piano Roll (Classic Type) →p. 121



Piano Roll (Modern Type) →p. 122



Specifying the Television Format (NTSC/PAL)

Set the VIMA's television format to match the television format of the television, video camera, or DVD player that is connected.

Change this setting if the image is not correctly shown on the television, or if the image from your video camera or DVD player is not displayed correctly.

Set this to the broadcast format used in your area.

Settings
NTSC, PAL

NTSC and PAL

Both of these are the names of color television broadcast standards.

NTSC is used in North America and a number of other countries including Japan. PAL is used in many regions, including Europe and Asia.

Selecting the Aspect Ratio of the Video Output (Video Output Aspect Ratio)

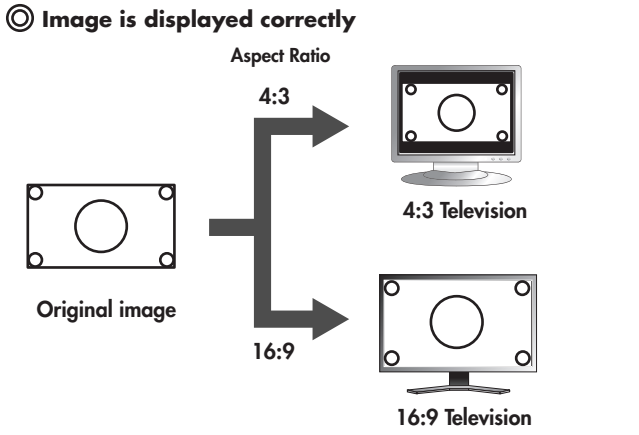
This setting changes the proportional relationship between the vertical and horizontal dimensions of the image that is output from the VIMA to the television or display connected to the VIDEO OUTPUT [VIDEO] jack or VIDEO OUTPUT [S-VIDEO] connector.

The VIMA's display screen has a horizontal/vertical ratio of 16:9. Televisions and displays have screen sizes with a horizontal/vertical ratio of 4:3 or 16:9 (wide screen).

NOTE You can't change the aspect ratio of the image that is output from the ANALOG RGB OUTPUT connector to an external display or a television.

If you're viewing images on a television or display connected to the VIDEO OUTPUT [VIDEO] jack or VIDEO OUTPUT [S-VIDEO] connector, change this setting as appropriate for the aspect ratio of the television or display you've connected.

Setting	Explanation
16:9	Use this setting if the connected television or display has a screen aspect ratio of 16:9.
4:3	Use this setting if the connected television or display has a screen aspect ratio of 4:3.



NOTE If the image is still not shown correctly even though you have adjusted the VIMA's aspect ratio to match the television or display you've connected, please change the settings of the connected television or display.

Classic Type Piano Roll Screen Settings

Here you can change the settings for how the piano roll screen is displayed.
When you open the classic type piano roll screen, a picture of a player piano will appear in the screen.

1. Access the main screen.

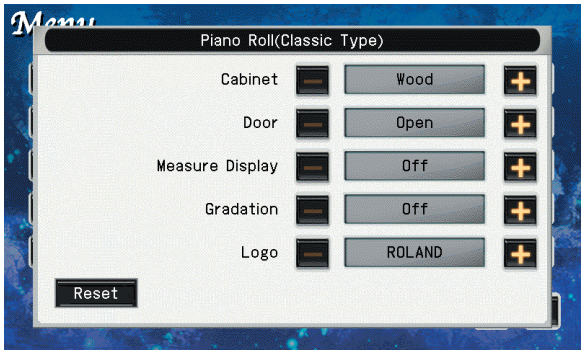
If the main screen is not shown, press the [EXIT] button several times to access the main screen.

2. In the main screen, touch <Menu>.

The menu screen appears.

3. Touch <Piano Roll (Classic Type)>.

A screen like the following appears.



4. To change the setting, touch − + for the item you want to specify.

5. Press the [EXIT] button when you're finished making settings.

Specifying the Color of the Piano (Cabinet)

You can specify the cabinet color of the player piano shown in the classic type piano roll screen.

Setting	Explanation
Wood	A piano with a wood grain (brown) cabinet is shown in the screen.
Black	A piano with a black cabinet is shown in the screen.
White	A piano with a white cabinet is shown in the screen.

Specifying the State of the Door of the Player Piano (Door)

You can specify the state of the door of the player piano shown in the classic type piano roll screen.

Setting	Explanation
Open	The piano is shown with a completely open door.
Half Open	The piano is shown with a half-open door.
Closed	The piano is shown with a closed door.

Displaying Bar Lines and Measure Numbers (Measure Display)

You can specify whether bar lines and measure numbers will be shown in the classic type piano roll screen.

Setting	Explanation
On	Bar lines and measure numbers will be shown.
Off	Bar lines and measure numbers will not be shown.

Specifying How Notes are Shown (Gradation)

This specifies the shape of the bars that indicate notes in the piano roll screen.

Setting	Explanation
On	The color of the note bars will gradually fade out.
Off	The note bars will retain their color over the full length of the note.

When gradation is on

When gradation is off

Specifying the Logo of the Piano (Logo)

You can specify the logo shown on the player piano in the classic type piano roll screen.

Settings
ROLAND, RODGERS, EDIROL, BOSS

Modern Type Piano Roll Screen Settings

1. Access the main screen.

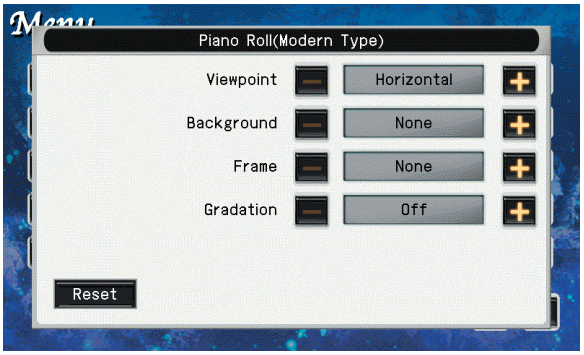
If the main screen is not shown, press the [EXIT] button several times to access the main screen.

2. In the main screen, touch <Menu>.

The menu screen appears.

3. Touch <Piano Roll (Modern Type)>.

A screen like the following appears.



4. To change the setting, touch − + for the item you want to specify.

5. Press the [EXIT] button when you're finished making settings.

Specifying the Direction in which the Piano Roll Screen Moves (Viewpoint)

You can specify how the note bars will move when the modern type piano roll screen is shown.

Setting	Explanation
Horizontal	The note bars will move from right to left.
Vertical	The note bars will move from the foreground away to the background.

Selecting the Background Image (Background)

You can select the background image used when the modern type piano roll screen is displayed.

Settings
None, Music Score, Lightning, Castle, Space

Selecting the Foreground Image (Frame)

You can select the foreground image (frame) used when the modern type piano roll screen is displayed.

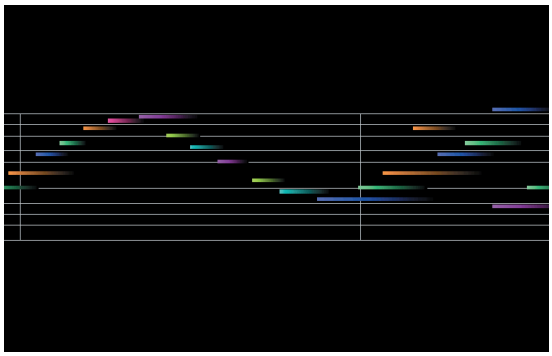
Settings
None, Picture Frame, Film Roll

Specifying How Notes are Shown (Gradation)

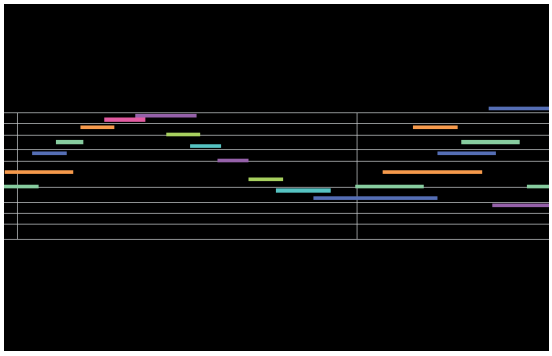
This specifies the shape of the bars that indicate notes in the piano roll screen.

Setting	Explanation
On	The color of the note bars will gradually fade out.
Off	The note bars will retain their color over the full length of the note.

When gradation is on



When gradation is off



Slide Show Settings

1. Access the main screen.

If the main screen is not shown, press the [EXIT] button several times to access the main screen.

2. In the main screen, touch <Menu>.

The menu screen appears.

3. Touch <Slide Show>.

A screen like the following appears.

4. To change the setting, touch [−] [+] for the item you want to specify.

5. Press the [EXIT] button when you're finished making settings.

Selecting the Type of Slide Show (Type)

You can specify how transitions between images are to occur when you play back a slide show.

Setting	Explanation
Simple	One photo will simply fade-out while the next photo fades-in.
Block	The photo will be divided into blocks that change separately.
Pop	The photo will switch using rapid movement and color combination.
Mix	Simple, block, and pop types will be combined.

Selecting the Interval at which Images will Change (Interval)

You can specify the interval at which images will change when you play back a slide show.

Settings
5 Seconds, 8 Seconds, 12 Seconds, 4 Measures, 6 Measures, 8 Measures

NOTE If you play back a music CD when this interval is set to "4 Measures," "6 Measures," or "8 Measures," the images will change every eight seconds regardless of this setting. If you play back an internal song or SMF music files, the images will change at the number of measures you've specified.

Count Settings

1. Access the main screen.

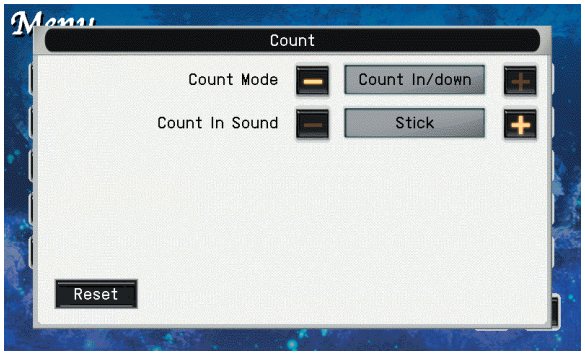
If the main screen is not shown, press the [EXIT] button several times to access the main screen.

2. In the main screen, touch <Menu>.

The menu screen appears.

3. Touch <Count>.

A screen like the following appears.



4. To change the setting, touch [−] [+] for the item you want to specify.

5. Press the [EXIT] button when you're finished making settings.

Selecting the Timing at which the Count is Sounded (Count Mode)

You can specify how the count will be sounded if you've pressed the [COUNT] button to make it light.

A "count-in" is when a count is sounded before the song begins.

A "count-down" is when a count is sounded at the end of the song's introduction (before you begin playing the keyboard). If you will be playing along with the song, sounding a count will help you match the timing of your playing with the song.

Item	Setting
Count In	A count will sound before the song plays.
Countdown	A count will sound at the end of the song's introduction
Count In/down	A count will sound before the song plays, and also at the end of the song's introduction

Selecting the Count-in Sound (Count In Sound)

You can select the sound that will be used to play the count-in.

If you've selected "Count In" or "Count In/down" as the count setting (preceding item), the count will be played using the sound you selected here.

Item
Stick, Click, Electronic, Voice(Japanese), Voice(English), Wood Block, Triangle, Hand Clap, Animal

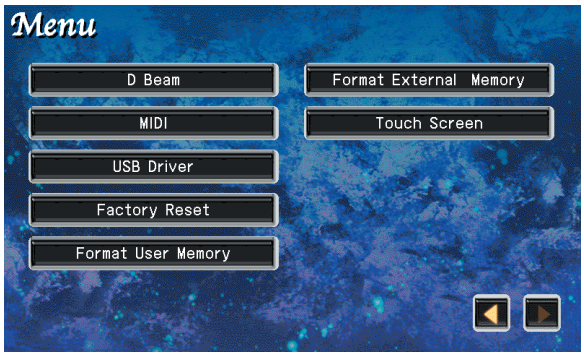
D Beam Controller Settings

1. Access the main screen.

If the main screen is not shown, press the [EXIT] button several times to access the main screen.

2. In the main screen, touch <Menu>.

The menu screen appears.



3. Touch <D Beam>.

A screen like the following appears.

4. Touch [−] [+] for "D Beam Sensitivity."

5. Press the [EXIT] button when you're finished making settings.

Adjusting the Sensitivity of the D Beam Controller (D Beam Sensitivity)

You can adjust the sensitivity of the D Beam controller. Increasing this setting will make the D Beam controller more responsive.

The sensitivity of the D Beam controller can vary depending on the brightness of the surroundings. If it does not operate as you expect, please readjust the sensitivity.

Settings
1–127

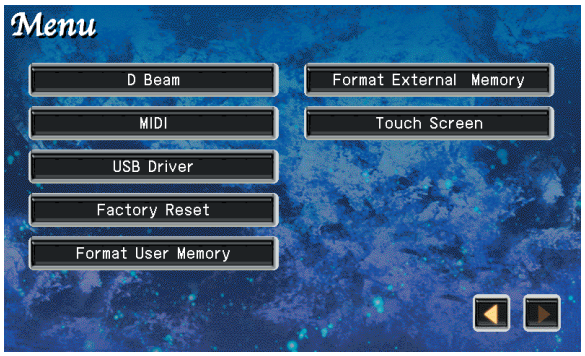
MIDI Settings

1. Access the main screen.

If the main screen is not shown, press the [EXIT] button several times to access the main screen.

2. In the main screen, touch <Menu>.

The menu screen appears.



3. Touch <MIDI>.

A screen like the following appears.

4. To change the setting, touch [−] [+] for the item you want to specify.

5. Press the [EXIT] button when you're finished making settings.

Changing the MIDI Transmit Channel (Tx Channel)

This setting specifies the MIDI channel on which the VIMA will transmit.

MIDI uses sixteen "MIDI channels," which are numbered 1 through 16. By connecting MIDI devices and specifying the appropriate MIDI channel for each device, you can play or select sounds on those devices.

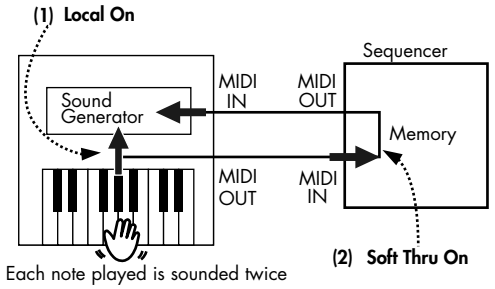
The VIMA will receive all sixteen channels (1–16).

Settings (Channel)
1–16

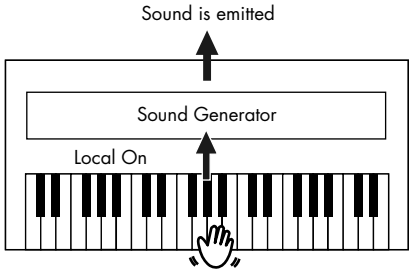
MEMO For details on connecting MIDI devices, refer to "Connecting MIDI Equipment" (p. 136).

Disconnecting the Internal Sound Generator and Keyboard (Local Control)

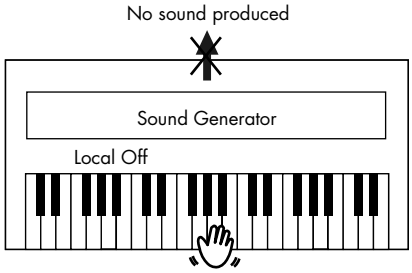
When you have a MIDI sequencer connected, set this parameter to Local Off. Most conventional sequencers have the Thru function set to On, so as seen in the figure, when information describing what has been played on the keyboard (1) arrives at the sound generator via two separate routes (2), notes could be sounded twice or sometimes get cut off. To prevent this, the setting called "Local Off" is used to disconnect the route in (1).



Local On: The keyboard and the internal sound generator are in a linked state.



Local Off: The keyboard and the internal sound generator are in an unlinked state. No sound will be produced by the keyboard when it is played.



MEMO When a Roland MT series instrument is connected, it is not necessary to make the Local Off setting. The MT transmits a Local Off message when the power is turned on. If you turn on the power in the order of the VIMA → MT series, Local Off will be set automatically.

Setting	Explanation
On	The Local Control is set to On. The keyboard and internal sound generator are connected.
Off	The Local Control is set to Off. The keyboard and internal sound generator are disconnected. Playing the keyboard will not produce sound.

USB Driver Settings

1. Access the main screen.

If the main screen is not shown, press the [EXIT] button several times to access the main screen.

2. In the main screen, touch <Menu>.

The menu screen appears.

3. Touch <USB Driver>.

A screen like the following appears.

4. Touch [−] [+] for "USB Driver."

5. Press the [EXIT] button when you're finished making settings.

6. Turn the VIMA's volume to the minimum setting. Next, switch off the power, then turn it on again.

Changing the USB Driver Settings (USB Driver)

Normally, you don't need to install a driver in order to connect the VIMA to your computer via the USB connector. However, if some problem occurs, or if the performance is poor, using the original Roland driver may solve the problem. If you do so, make the following setting to specify the USB driver you intend to use before you install the driver.

Setting	Explanation
Generic	Choose this if you want to use the standard USB driver that was included with your computer. Normally, you should use this mode.
Original	Choose this if you want to use a USB driver downloaded from the Roland website.

MEMO For details on downloading and installing the original driver, refer to the Roland website.
Roland website: http://www.roland.com/

MEMO For details on connecting the VIMA to your computer via the USB connector, refer to "Connecting Your Computer" (p. 137).

Other Settings

Restoring the Factory-set Condition (Factory Reset)

You can restore the settings you've changed on the VIMA to their factory-set condition. This operation is called "Factory Reset."

NOTE When you perform a Factory Reset, all the settings you have stored will be erased, and the VIMA will return to the factory-set condition. This operation will not restore the contents of user memory to the factory-set condition.

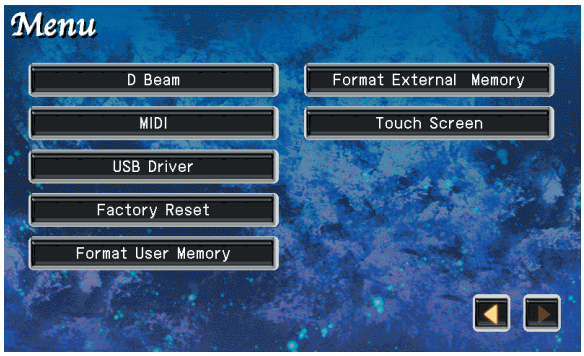
Refer to "Initializing User Memory (Format User Memory)" (p. 131).

1. Access the main screen.

If the main screen is not shown, press the [EXIT] button several times to access the main screen.

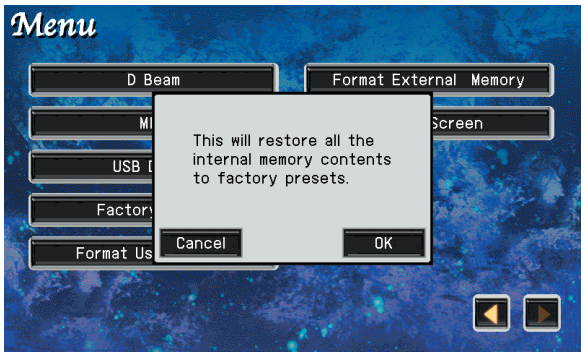
2. In the main screen, touch <Menu>.

The menu screen appears.



3. Touch <Factory Reset>.

A message asking for confirmation appears in the screen.

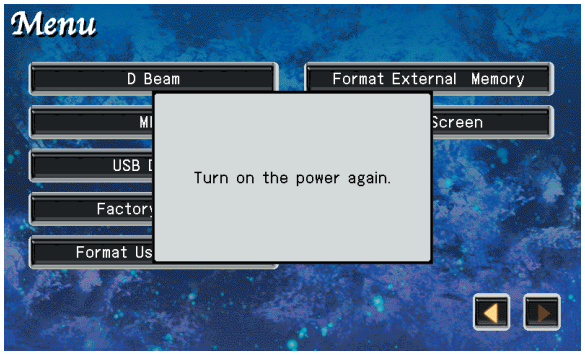


By touching <Cancel> you can return to the previous screen without changing the settings.

4. Touch <OK> in the screen to execute the Factory Reset.

The factory reset will be executed.

5. When the Factory Reset has been completed, switch off the VIMA's power, then turn it back on again.



NOTE Never turn off the power while the screen indicates "Executing..." Doing so will destroy the VIMA's internal memory, rendering it unusable.

Initializing User Memory (Format User Memory)

The VIMA has an internal storage area in which you can store your recorded performances. This area is called "user memory." The songs you save in "Favorites" are held in this user memory (p. 44).

If you want to erase the entire contents of user memory and restore it to the factory-set condition, execute the following procedure.

1. Access the main screen.

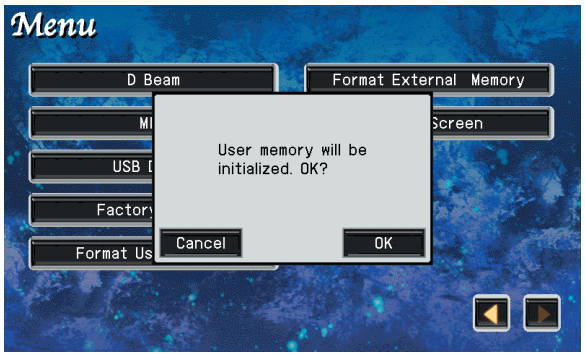
If the main screen is not shown, press the [EXIT] button several times to access the main screen.

2. In the main screen, touch <Menu>.

The menu screen appears.

3. Touch <Format User Memory>.

A message asking for confirmation appears in the screen.



If you touch <Cancel>, you will return to the previous screen without initializing.

4. Touch <OK>.

Initialization will begin.

The entire contents of user memory will be erased.

* *Never turn off the power while the screen indicates <Initializing...>. Doing so will destroy the VIMA's internal memory, rendering it unusable.*

NOTE If the screen indicates "Error," refer to the "Error Messages" (p. 145).

NOTE This operation will not initialize any settings other than the contents of user memory. If you want to return settings other than user memory to the factory-set state, please execute Factory Reset (p. 130) and Initializing External Memory (p. 132).

Initializing USB Memory (Format External Memory)

You can initialize (format) USB memory that's connected to the VIMA. If you want to erase the entire contents of USB memory and return it to the condition in which you purchased it, execute the following procedure.

1. Connect your USB memory to the external memory connector (p. 104).

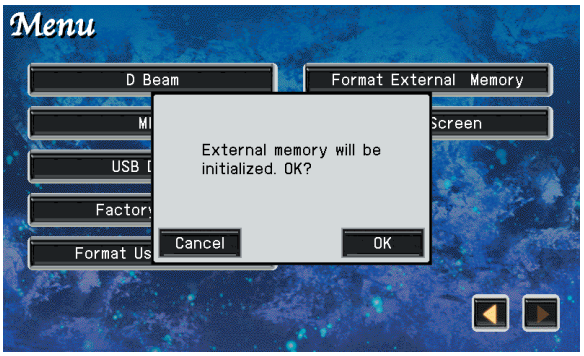
2. Access the main screen.

If the main screen is not shown, press the [EXIT] button several times to access the main screen.

3. In the main screen, touch <Menu>.

The menu screen appears.

4. Touch <Format External Memory>.



If you touch <Cancel>, you will return to the previous screen without initializing.

5. Touch <OK>.

Initialization will begin.

The entire contents of USB memory will be erased.

* *Never turn off the power while the screen indicates <Initializing...>. Doing so will destroy the USB memory, rendering it unusable.*

NOTE Don't remove the USB memory until formatting is completed.

NOTE If the screen indicates "Error," refer to the "Error Messages" (p. 145).

NOTE This operation will not initialize any settings other than the contents of USB memory. If you want to return settings other than the contents of USB memory to the factory-set state, please execute Factory Reset (p. 130) and Initializing User Memory (p. 131).

Calibrating the Touch Screen (Touch Screen)

The point detected by the touch screen may drift as you use the VIMA for an extended time. If you notice such a drift, you can correct it by calibrating the touch screen as follows.

1. Access the main screen.

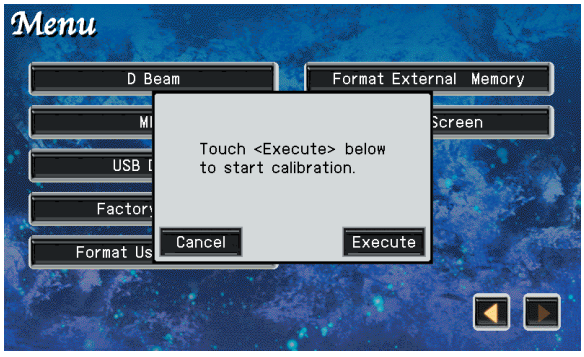
If the main screen is not shown, press the [EXIT] button several times to access the main screen.

2. In the main screen, touch <Menu>.

The menu screen appears.

3. Touch <Touch Screen>.

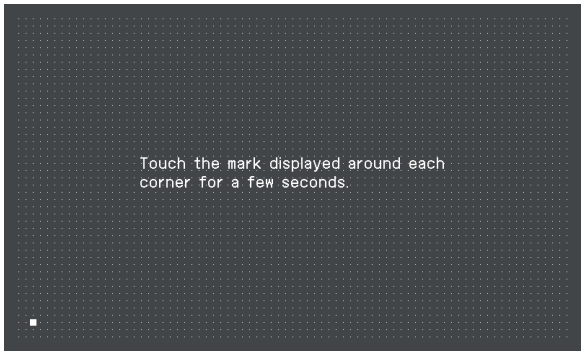
A screen like the following appears.



If you decide to cancel the touch panel position adjustment, touch <Cancel>.

4. Touch <OK>.

5. A point will be indicated. Touch this point.



NOTE If you touch a point other than the indicated one, the drift may become extremely severe. Be sure to touch the correct point.

Connecting Other Equipment

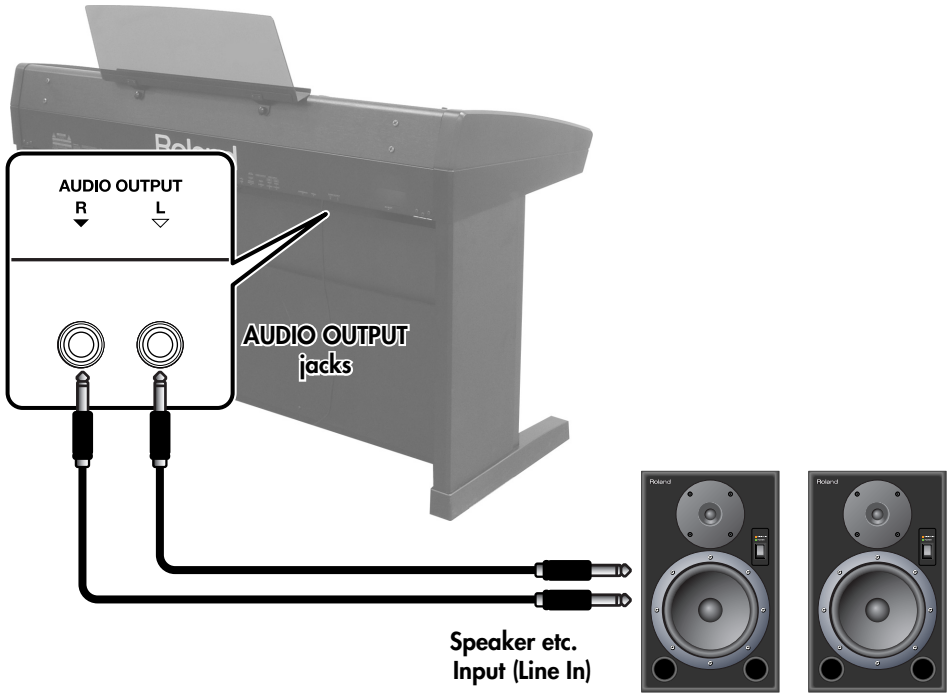
Connecting Audio Equipment

By connecting the VIMA to your audio equipment or external speakers, you can play the VIMA's sounds from your stereo system's speakers or from other external speakers, or record your performance on an tape recorder or other recording device.

To make connections, use an audio cable with 1/4" phone plugs.

> * *If you use a connection cable that has a built-in resistor, the volume of the device connected to the input jack may be low. Please use connection cables that do not contain a resistor.*
>
> * *Before connecting the VIMA to other devices, you must turn down the volume of all devices and turn off their power to prevent malfunctions or speaker damage.*

Playing the VIMA through Connected Speakers



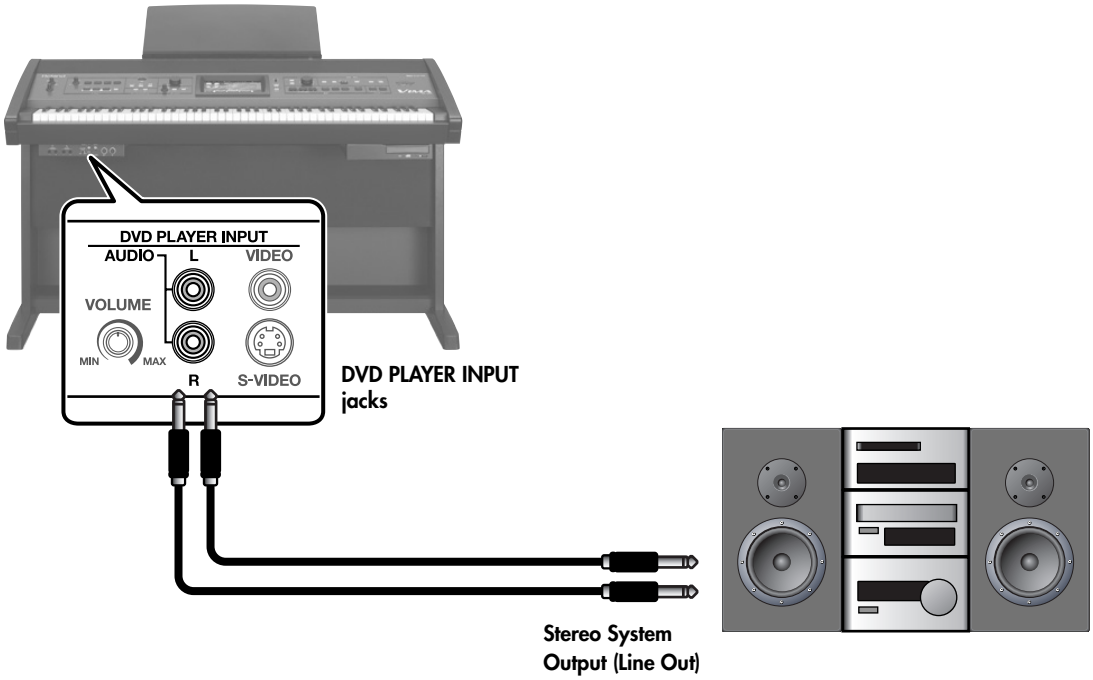
1. **Minimize the volume of the VIMA and of the speakers you are connecting.**
2. **Switch off power to the VIMA and the speakers you are connecting.**
3. **Make connections using separately available audio cables.**
4. **Switch on the VIMA's power.**
5. **Switch on power to the connected speakers.**
6. **Adjust the volume of the VIMA and the connected speakers.**

   Play the VIMA's keyboard, and sound will be produced from the connected speakers (or stereo set).

Turning the Power Off

1. **Minimize the volume of the VIMA and of the connected speakers.**
2. **Switch off power to your speakers.**
3. **Switch off power to the VIMA.**

Playing the Sound of an Audio Device through the VIMA



1. **Minimize the volume of the VIMA and of the audio device you are connecting.**
2. **Switch off power to the VIMA and the audio device you are connecting.**
3. **Make connections using separately available audio cables.**
4. **Switch on power to the audio device.**
5. **Switch on the VIMA's power.**
6. **Adjust the volume of the VIMA and the connected audio device.**
   The sound of the connected audio device will be heard from the VIMA.

Turning the Power Off

1. **Minimize the volume of the VIMA and of the connected audio device.**
2. **Switch off power to the VIMA.**
3. **Switch off power to the connected audio device.**

Connecting MIDI Equipment

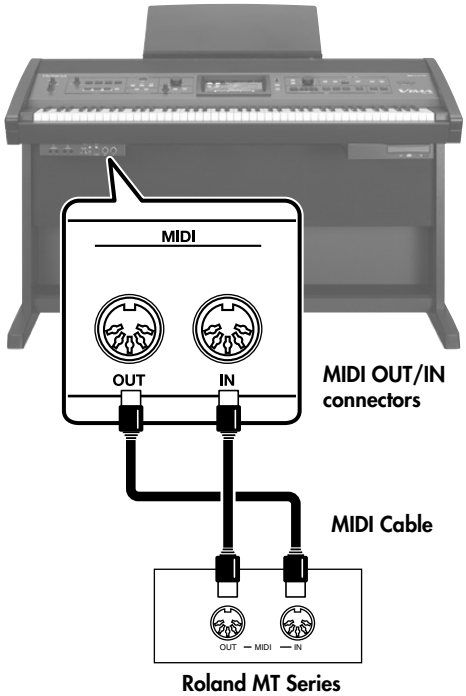
Performance data can be exchanged between the VIMA and external MIDI equipment, allowing them to control each other. For example, you can play one device from the keyboard of another device, or switch sounds remotely.

What's MIDI?

"MIDI" stands for "Musical Instrument Digital Interface." It is a universal standard that allows performance data to be exchanged among electronic musical instruments and computers.

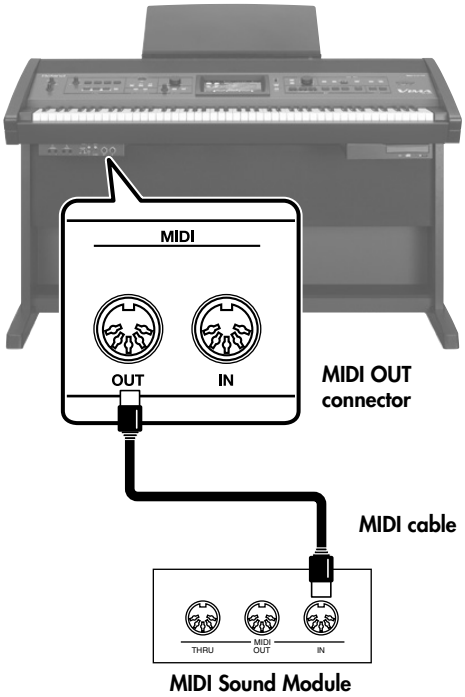
The VIMA provides MIDI connectors so that performance data can be transferred between it and other devices. By using these connectors to connect other devices with the VIMA, you can take advantage of a wide range of possibilities.

Using a MIDI Sequencer to Play the VIMA



NOTE When the VIMA is connected to a MIDI sequencer, set it to "Local Off." Refer to "Disconnecting the Internal Sound Generator and Keyboard (Local Control)" (p. 128).

Playing a MIDI Sound Module from the VIMA



Making Connections

1. **Minimize the volume of the VIMA and of the MIDI equipment you are connecting.**
2. **Switch off power to the VIMA and the MIDI equipment you are connecting.**
3. **Use MIDI cables (commerdially available) to connect the MIDI connectors to the connectors of the other equipment (refer to the figure).**
4. **Switch on power to the VIMA and the connected MIDI equipment.**
5. **Adjust the volume of the VIMA and the connected MIDI equipment.**
6. **If necessary, make MIDI settings.**

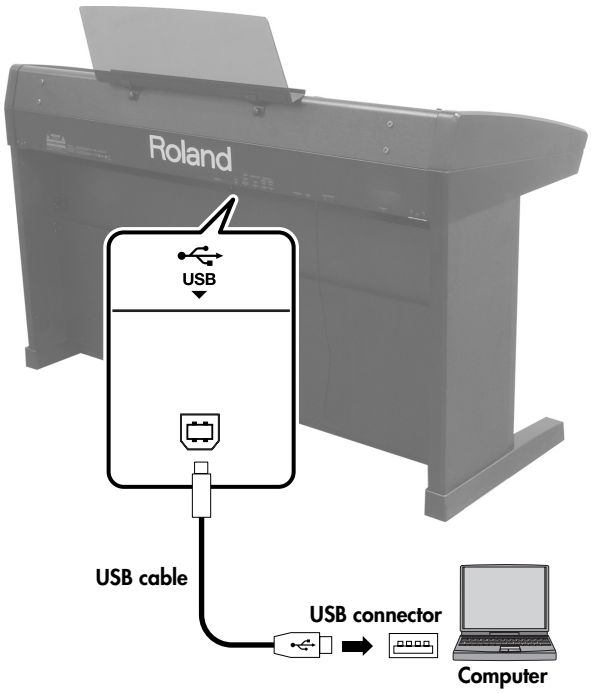
MEMO For details on MIDI settings, refer to "Changing the MIDI Transmit Channel (Tx Channel)" (p. 127).

Connecting Your Computer

If you use a USB cable (commerdially available) to connect the USB connector located on the VIMA's rear bottom panel to the USB connector of your computer, you'll be able to do the following things.

- Use the VIMA to play SMF music files played back by MIDI-compatible software (such as Media Player).
- By transferring MIDI data between the VIMA and your sequencer software, you'll be able to enjoy a wide range of possibilities for music production and editing.

Connect the VIMA to your computer as shown below.



* Refer to the Roland website for system requirements. However, please be aware that the VIMA does not support Mac OS 9.
Roland website: http://www.roland.com/

If connection to your computer is unsuccessful...

Normally, you don't need to install a driver in order to connect the VIMA to your computer. However, if some problem occurs, or if the performance is poor, using the Roland original driver may solve the problem.
For details on downloading and installing the Roland original driver, refer to the Roland website.
Roland website: http://www.roland.com/

Specify the USB driver you want to use, and then install the driver. For details, refer to "Changing the USB Driver Settings (USB Driver)" (p. 129).

Caution

- To avoid the risk of malfunction and/or speaker damage, always make sure to turn the volume all the way down and turn off the power on all equipment before you make any connections.
- Only MIDI data can be transmitted and received via USB. Data for a song recorded on the VIMA cannot be transmitted or received.
- A USB cable is not included. If you need to obtain one, ask the dealer where you purchased the VIMA.
- Switch on power to the VIMA before you start up the MIDI application on your computer. Don't turn the VIMA's power on/off while your MIDI application is running.

Troubleshooting

If you think there's a problem, read this first.

Symptom	Cause/Action	Page
Power does not turn on	Is the power cord connected correctly?	p. 24
Nothing appears in the screen	Since the VIMA uses a liquid crystal screen, it may happen that no text or graphics appear in the screen if the temperature is below zero degrees Celsius (32 degrees Fahrenheit).	—
Touch panel does not respond correctly	The touch panel position may drift due to changes in the environment or the passage of time. Correct the drift as described in "Calibrating the Touch Screen (Touch Screen)."	p. 133
Can't display the main screen	Could the [VIDEO MONITOR] button be lit? If the [VIDEO MONITOR] button is lit, the VIMA's display will show the same image shown on the external display or television connected to the VIMA. Press the [VIDEO MONITOR] button or the [EXIT] button so the [VIDEO MONITOR] button is turned off.	p. 33
Song list does not appear	If no songs are stored in "Favorites" and you select "Favorites" as the song location, the song list will not appear. The song list will not appear if you select "Ext Memory" or "CD" as the song location when USB memory or the CD-ROM do not contain any songs. You won't be able to select "Ext Memory" or "CD" as the song location if USB memory is not connected or if no CD-ROM is inserted in the CD drive.	p. 46 p. 38 p. 42
Pedal does not work, or is "stuck"	Is the pedal connected correctly? Plug the cable firmly into the pedal connector.	p. 29
Pedal is wobbly	Turn the adjuster located on the bottom of the pedal so that it firmly contacts the floor.	p. 29
Device connected to the EXT IN jacks and DVD PLAYER INPUT jacks have insufficient volume	Could you be using a connection cable that contains a resistor? Use a connection cable that does not contain a resistor.	—
Remote control does not work	If the remote sensor is turned off, the data from the remote control unit will not be received. Refer to "Disabling the Remote Control Unit (Remote Control)."	p. 116
Unable to read from/write to USB memory	Are you using (optional) Roland USB memory? Reliable performance cannot be guaranteed if you use non-Roland USB memory products.	—
"Buzz" is heard from external devices	Are the external devices connected to more than one AC power outlet? If you connect external devices, be sure to connect them to the same AC outlet.	—
The sound contains noise	If there is a cell phone nearby, the VIMA may produce noise when you initiate or receive a call, or while you converse.	—

Symptom	Cause/Action	Page
No sound		
No sound	Could the VIMA's volume or the volume of the connected equipment be turned down?	p. 25
	Could headphones be connected? Could there be a plug inserted in a headphone jack? The speakers will not produce sound if headphones or plug are connected to the headphone jacks.	p. 28
	Could the [BALANCE] knob be set all the way toward "KEYBOARD" or "SONG"?	p. 90
	Are the speaker cables connected correctly?	p. 27
	Could the remote VOLUME [-] [+] buttons or the [MUTE] button be pressed to set the volume to "0"? Even if the [VOLUME] knob is raised, there will be no sound if the remote VOLUME [-] [+] buttons or the [MUTE] button have been pressed to set the volume to "0."	p. 53
No sound from the leftmost notes of the keyboard	Could you be using these keys to switch the piano roll screen display? If you've made settings so that the keyboard will switch the piano roll screen display, the five leftmost notes of the keyboard will not produce sound.	p. 119
	If you've pressed the [DRUMS] button so that the keyboard plays drum sounds, no sounds will be heard when you play the A0–B1 keys.	p. 83
DVD volume is too low (or inaudible)	Is the DVD player connected correctly?	p. 70
	Could the DVD PLAYER INPUT [VOLUME] knob be turned to the minimum position? The DVD player's volume is adjusted with the DVD PLAYER INPUT [VOLUME] knob; not by the [VOLUME] knob.	p. 70
No sound (when a MIDI device is connected)	Are all devices powered on?	p. 136
	Are the MIDI cables connected correctly?	p. 136
	Do the MIDI channels of the VIMA and the connected device match?	p. 127
Moving your hand over the D Beam controller does not produce a sound	Could the D Beam button for the desired sound effect be lit instead of blinking? If a D Beam button is lit, moving your hand above the D Beam controller will apply an effect to the sound you play from the keyboard.	p. 91
Not all the notes you play are sounded	The maximum simultaneous polyphony is 128 notes. If you are playing along with a song and making heavy use of the damper pedal, the number of notes the VIMA is attempting to produce may exceed the maximum polyphony, meaning that some of the notes will drop out.	—

Symptom	Cause/Action	Page
Notes don't sound right		
Pitch of the keyboard or song is incorrect	Could you have made Key Control settings?	p. 58
	Is the Master Tune setting appropriate?	p. 114
Keyboard volume is too low	Could the [BALANCE] knob be set all the way toward "SONG"?	p. 90
Sound changed unexpectedly	Could you have switched sound tabs in the main screen?	p. 81
The wrong instrument is selected when you press the [1], [2], or [3] button	INSTRUMENT buttons [1] [2] [3] also operate as buttons that select "Recommended Tones" or "User Tones." If you select the <Recommend> tab in the main screen, these buttons are automatically assigned instrumental sounds that are appropriate for the song. You can press instrument buttons [1] [2] [3] to select these recommended tones. If you select the <User> tab in the main screen, you can assign your own choice of sounds to these buttons.	p. 84 p. 86
Multiple instruments sound when you play the keyboard	Could you have pressed the [DRUMS] button to play drum sounds? If the [DRUMS] button's indicator is lit, the white keys C2–B3 will play drum sounds. The black keys C♯2–B♭3 will play sound effects, and the C4–C8 keys will play the sounds they were playing before you pressed the [DRUMS] button. If the [DRUMS] button is lit, A0–B1 will not produce sound.	p. 83
Reverberation remains even if You defeat the Reverb effect	The VIMA's piano sound faithfully simulates the depth and resonance of an acoustic piano, and this may give the impression of reverberation even if you've defeated the Reverb effect.	—
Sounds are produced even though you're not playing the keyboard	Could you have pressed a D Beam button, causing it to start blinking? If a D Beam button is blinking, moving your hand above the D Beam controller will play a sound effect.	p. 92
The sound of the higher notes suddenly changes from a certain key	On an acoustic piano, the approximately one and a half octaves of notes at the top of the keyboard will continue sounding regardless of the damper pedal. These notes also have a somewhat different tonal character. VIMA faithfully simulate this characteristic of acoustic pianos. On the VIMA, the range that is unaffected by the damper pedal will change according to the key control setting.	—
High-pitched ringing is heard	If you hear this in headphones: Piano sounds that have a brilliant and crisp character contain substantial high-frequency components that may sound as though a metallic ringing has been added. This is because the character of an actual piano is being faithfully reproduced, and is not a malfunction. This ringing is more obtrusive if the reverb effect is applied heavily, so you may be able to minimize it by decreasing the reverb. If you don't hear this in headphones: It is likely that there is some other reason (such as resonances within the unit). Please contact your dealer or a nearby Roland service center.	—

Symptom	Cause/Action	Page
Low notes sound wrong, or are buzzy	If you don't hear this in headphones: Performing at high volumes may cause the speakers or objects near the VIMA to resonate. Fluorescent lights or glass doors may also resonate sympathetically. In particular, this is more likely to occur for lower notes and higher volumes. You can take the following measures to minimize resonances. • Locate the speakers 10–15 cm away from walls or other surfaces. • Keep the volume down. • Move away from the objects that are resonating. If you hear this in headphones: It is likely that there is some other reason. Please contact your dealer or a nearby Roland service center.	—
Song does not play correctly		
Song won't play	Could the screen be indicating "OK to delete Song? Are you sure?" You can't play back an internal song if internal memory contains performance data you recorded. Erase the performance data you recorded before you play back the song.	p. 96
Can't play back an internal song	Could you have pressed the remote [MUTE] button to mute the sound? Press the remote [MUTE] button to cancel muting.	p. 53
Can't play back a song from USB memory	Could the song be saved inside a folder? If you used your computer to create a folder in the USB memory, and saved songs in the folder, songs inside the folder cannot be played. When using your computer to save songs on USB memory, don't place the songs in a folder.	—
Can't play back a song from CD-ROM	If any songs are saved inside a folder, the songs within the folder cannot be played.	—
Can't fast-forward or rewind by pressing the [⏮] button or [⏭] button	You can't rewind or fast-forward while loading music files or while generating a notation. Please wait.	—
	If you play back data containing performance data that exceeds the VIMA's storage capacity, there may be cases in which you will be unable to perform operations other than playback (e.g., fast-forward or rewind).	—
Songs in USB memory are not played immediately	SMF music files comes in two types; Formats 0 and 1. In the case of format 1 data, it may take a certain amount of time for playback to begin. The format type is indicated on the booklet for the music files you're using.	—
Song tempo becomes unstable	When playing a song from USB memory or CD-ROM, the tempo may become unstable if there is an excessive amount of performance data.	—

Symptom	Cause/Action	Page
Song name in USB memory or CD-ROM is not shown	Does the file contain song information (Sequence/Track Name Meta Event)? The song name will not be shown if the song information in the file is empty or consists only of spaces.	—
	Is the filename eight or fewer characters? If the filename is longer than eight characters, the file cannot be correctly handled as song data.	—
	Is the filename extension "MID"? Files with other filename extensions cannot be handled as song data.	—
Song titles on a music CD are not shown	Song titles from a music CD cannot be displayed.	—
Song volume is low	Could the [BALANCE] knob be set all the way toward "KEYBOARD"?	p. 90
Can't hear the vocal of a music CD / Can't hear the melody of music files	Could the [MUTE/CENTER CANCEL] button be lit? If the [MUTE/CENTER CANCEL] button is lit, the vocal sound will be canceled from the music CD playback. If the [MUTE/CENTER CANCEL] button is lit, the melody of the music files will be muted. Press the [MUTE/CENTER CANCEL] button so it's not lighted.	p. 59 p. 60 p. 94
Vocal sounds from a commercially produced music CD are not minimized when you press the [MUTE/CENTER CANCEL] button	For some commercially available music CDs, the vocal portion cannot be eliminated.	—

Can't record / play back		
Can't record	You can't record while a notation is being generated. When the notation has been generated (the measure numbers in the screen are no longer highlighted), try the operation once again.	—
	You can't re-record onto a music CD. If you perform while listening to a music CD, only your keyboard performance will be recorded; the song from the music CD will not be recorded.	—
The recorded performance disappeared	Your recorded performance will disappear if you switch off the VIMA's power or select a song. There is no way to recover the lost performance. Before you turn off the power, save your recorded performance in "Favorites."	p. 102

Symptom	Cause/Action	Page
Something's wrong with the image in the connected television or external display		
No image is shown in the connected television or external display	Is your external display or television connected correctly?	p. 30 p. 31
	Is your external display or television powered up?	p. 30 p. 31
	Are you using a display that the VIMA can use? Refer to "Types of display that can be connected."	p. 31
	Is the television format specified correctly?	p. 120
	Is the video output aspect ratio set correctly?	p. 120
	Is your video device correctly connected to the VIMA?	p. 68 p. 70 p. 72 p. 75
	Did you press a video function select button so it's lit? If the video function select buttons are extinguished, the television or external display will show the VIMA logo. Press the video function select button corresponding to the connector to which you've connected your video device, so it lights up.	p. 78
Thin horizontal lines flicker in the television screen	Thin horizontal lines may flicker in the television screen, but this is due to the television itself, and is not a malfunction of the VIMA.	—
Can't see the edge of the image on the television screen	In some cases, the edge of the image may not be visible on the television screen, but this is due to the characteristics of the television and is not a malfunction on the VIMA.	
The image is not shown cleanly in the television	Even if you make all of the recommended settings, there may be cases in which the image is not shown cleanly in your television. (For example, the display may not match the screen size, or may be skewed from the center.)	—
Lyric display is wrong	For some types of music files, the lyrics may sometimes be displayed incorrectly.	—
	In the notation screen, the lyrics or notes may sometimes be incorrectly shown outside the screen display region.	—
Notation display is wrong	If you've selected a channel that does not contain performance data, notes will not be shown in the notation. In the notation display settings, change the displayed channel (melody channel).	p. 115
	The displayed notation is not suitable for sophisticated or complex songs. Also, grace notes and notes shorter than a 16 note cannot be shown.	p. 65
	In some cases, lyrics and notes may sometimes be shown outside the display area of the notation screen, and will not appear correctly.	—

Symptom	Cause/Action	Page
Something's wrong with the sound from the microphone		
Mic volume is too low (or inaudible)	Is the mic connected correctly?	p. 54
	Could the VOCAL [LEVEL] knob be turned to the minimum position? The mic volume is adjusted with the VOCAL [LEVEL] knob; not by the [VOLUME] knob.	p. 55
Your voice in the mic sounds wrong	Could the [ECHO] button be lit? If the [ECHO] button is lit, echo (reverberation) will be added to your voice in the mic.	p. 56
	Could the [VOCAL EFFECTS] button be lit? If the [VOCAL EFFECTS] button is lit, an effect will be applied to your voice in the mic.	p. 57
The volume of the mic changes	Turning the panel [VOLUME] knob will adjust the overall volume including the mic volume. If you want to adjust the mic volume, use the [VOLUME] knob to adjust the volume of the entire VIMA, and then use the VOCAL [LEVEL] knob to adjust the mic volume.	p. 55

Error Messages

Indication	Meaning
Error: 1	You can only read the music file. It can not be saved.
Error: 2	An error occurred during writing. The external media's protect tab may be in the "Protect" (writing prohibited) position, or the external media may not yet be initialized.
Error: 10	No external media is inserted. Insert the external media and try again.
Error: 11	There is not sufficient free memory in the save destination. Either insert other external media or delete unneeded files and try again.
Error: 14	An error occurred during writing. The external media may be corrupted. Insert other external media and try again. Alternatively, you can initialize the external media.
Error: 15	The file is unreadable. The data format is not compatible with the VIMA.
Error: 16	Data was not called up in time for playback of the song. After waiting several seconds, you may be able to play back the song by pressing the [Play/Stop] button again.
Error: 17	The selected image data cannot be displayed. Prepare image data that can be used with the VIMA (p. 77).
Error: 30	The internal memory capacity of the VIMA is full.
Error: 40	The VIMA cannot deal with the excessive MIDI data sent from the external MIDI device. Reduce the amount of MIDI data sent to the VIMA.
Error: 41	A MIDI cable has been disconnected. Connect it properly and securely.
Error: 43	A MIDI transmission error has occurred. Check the MIDI cable and connected MIDI device.
Error: 51	There may be a problem with the system. Repeat the procedure from the beginning. If it is not solved after you have tried several times, contact the Roland service center.
Error: 65	The External Memory port was subjected to excessive current. Make sure that there is no problem with the external media, then turn the power off, then on again.

* External Media: USB memory, CD-ROM, etc.

Tone List

Piano

NaturalGrand
Piano 1
Piano 1w
Piano 1d
Piano 2
Piano 2w
Piano 3
Piano 3w
Honky-tonk
Honky-tonk w
E.Piano 1
E.Piano 2
Detuned EP 1
Detuned EP 2
'60s E.Piano
EP Legend
EP Phase
FM+SA EP
St.FM EP
Harpsichord
Coupled Hps.
Harpsi.w
Harpsi.o
Clav.
Pulse Clav.

Organ

Perc.Organ 1
Perc.Organ 2
Organ 1
Organ 2
TremoloOrgan
Chorus Organ
Rock Organ
'60s Organ
Church Org.1
Church Org.2
Church Org.3
Reed Organ
Puff Organ
Accordion 1
Accordion 2
Harmonica
Bandoneon

Strings

Mood Strings
Strings
Slow Strings
Tremolo Str.
PizzicatoStr
'60s Strings
Orchestra
Violin
Slow Violin
Viola
Cello
Contrabass
Syn.Strings1
Syn.Strings2
Syn.Strings3
Harp
Koto
Taisho Koto
Fiddle

Guitar

Nylon-str.Gt
Nylon Gt 2
Nylon Gt o
Ukulele
Steel-str.Gt
12-str.Gt
Steel+Body
Combo JazzGt
Jazz Guitar
Hawaiian Gt
Clean Guitar
Chorus Gt 1
Chorus Gt 2
Mid Tone Gt
Muted Guitar
Funk Guitar1
Funk Guitar2
Overdrive Gt
Guitar Pinch
DistortionGt
Gt Feedback1
Gt Feedback2
Dist.Rtm Gt
Gt Harmonics
AcousticBass
FingeredBass
Finger Slap
Picked Bass
FretlessBass
Slap Bass 1
Slap Bass 2
Mandolin
Banjo
Sitar 1
Sitar 2
Shamisen

Brass/Sax

Trumpet
Dark Trumpet
Romantic Tp
Mariachi Tp
MuteTrumpet1
MuteTrumpet2
Trombone 1
Trombone 2
Bright Tb
Soprano Sax
BlowAltoVib.
Alto Sax
TenorSaxVib.
Tenor Sax
Baritone Sax
French Horn1
French Horn2
Tuba
Brass 1
Brass 2
Synth Brass1
Synth Brass2
Synth Brass3
Synth Brass4
AnalogBrass1
AnalogBrass2
Jump Brass

Woodwinds

Flute
Piccolo
Recorder
Pan Flute
Oboe
Clarinet
English Horn
Bassoon
Bottle Blow
Shakuhachi
Whistle
Ocarina
Bagpipe
Shanai

Percussion

Celesta
Glockenspiel
Music Box
Vibraphone
Vibraphone w
Marimba
Marimba w
Xylophone
TubularBells
Church Bell
Carillon
Santur
Yang Qin
Timpani
Kalimba
Tinkle Bell
Agogo
Steel Drums
Woodblock
Castanets
Taiko
Concert BD
Melodic Tom1
Melodic Tom2
Synth Drum
TR-808 Tom
Elec.Perc.
Reverse Cym.

(Rhythm Set)
STANDARD Set
ROOM Set
POWER Set
ELEC.Set
ANALOG Set
JAZZ Set
BRUSH Set
ORCH.Set
SFX Set

Others

Choir 1
Choir 2
Voice
Humming
Jazz Scat
Synth Voice
Analog Voice
Synth Bass 1
Synth Bass 2
Synth Bass 3
Synth Bass 4
WarmSyn.Bass
Clav.Bass
Hammer
RubberSyn.Bs
Attack Pulse
OrchestraHit
Bass Hit
6th Hit
Euro Hit
Square Lead1
Square Lead2
Sine Lead
Saw Lead 1
Saw Lead 2
Doctor Solo
Natural Lead
SequencedSaw
Syn.Calliope
Chiffer Lead
Charang
Wire Lead
Solo Vox
5th Saw Lead
Bass+Lead
Delayed Lead
Fantasia
Warm Pad
Sine Pad
Polysynth
Space Voice
Itopia
Bowed Glass
Metallic Pad
Halo Pad
Sweep Pad
Ice Rain
Soundtrack
Crystal
Synth Mallet
Atmosphere
Brightness
Goblins
Echo Drops
Echo Bell
Echo Pan
Star Theme
Gt FretNoise
Gt Cut Noise
BsStringSlap
Breath Noise
Fl.Key Click
Seashore
Rain
Thunder
Wind
Stream
Bubble
Bird 1
Bird 2
Dog
Horse Gallop
Telephone 1
Telephone 2
DoorCreaking
Door
Scratch
Wind Chimes
Helicopter
Car Engine
Car Stop
Car Pass
Car Crash
Siren
Train
Jetplane
Starship
Burst Noise
Applause
Laughing
Screaming
Punch
Heart Beat
Footsteps
Gun Shot
Machine Gun
Laser Gun
Explosion

		STANDARD Set		ROOM Set		POWER Set		ELEC.Set	
	27	High Q		High Q		High Q		High Q	
	28	Slap		Slap		Slap		Slap	
		Scratch Push	[EXC7]	Scratch Push	[EXC7]	Scratch Push	[EXC7]	Scratch Push	[EXC7]
	29 30	Scratch Pull	[EXC7]	Scratch Pull	[EXC7]	Scratch Pull	[EXC7]	Scratch Pull	[EXC7]
	31	Sticks		Sticks		Sticks		Sticks	
	32	Square Click		Square Click		Square Click		Square Click	
	33	Metronome Click		Metronome Click		Metronome Click		Metronome Click	
	34	Metronome Bell		Metronome Bell		Metronome Bell		Metronome Bell	
	35	Kick Drum 2		Room Kick 2		Power Kick 2		Electric Kick 2	
C2	36	Kick Drum 1		Room Kick 1		Power Kick 1		Electric Kick 1	
	37	Side Stick 1		Side Stick 1		Power Side Stick		Side Stick 3	
	38	Snare Drum		Room Snare		Power Snare		Electric Snare 1	
	39	TR-909 Clap		TR-909 Clap		TR-909 Clap		TR-909 Clap	
	40	Electric Snare 3		Electric Snare 3		Electric Snare 3		Electric Snare 2	
	41	Low Tom 2		Room Low Tom 2		Power Low Tom 2		Electric Low Tom 2	
	42	Closed Hi-Hat	[EXC1]	Closed Hi-Hat	[EXC1]	Power Closed Hi-Hat	[EXC1]	Closed Hi-Hat	[EXC1]
	43	Low Tom 1		Room Low Tom 1		Power Low Tom 1		Electric Low Tom 1	
	44	Pedal Hi-Hat	[EXC1]	Pedal Hi-Hat	[EXC1]	Pedal Hi-Hat	[EXC1]	Pedal Hi-Hat	[EXC1]
	45	Mid Tom 2		Room Mid Tom 2		Power Mid Tom 2		Electric Mid Tom 2	
	46	Open Hi-Hat	[EXC1]	Open Hi-Hat	[EXC1]	Power Open Hi-Hat	[EXC1]	Open Hi-Hat	[EXC1]
	47	Mid Tom 1		Room Mid Tom 1		Power Mid Tom 1		Electric Mid Tom 1	
C3	48	High Tom 2		Room High Tom 2		Power High Tom 2		Electric High Tom 2	
	49	Crash Cymbal		Crash Cymbal		Power Crash Cymbal 1		Crash Cymbal	
	50	High Tom 1		Room High Tom 1		Power High Tom 1		Electric High Tom 1	
	51	Ride Cymbal 1		Ride Cymbal 1		Power Ride Cymbal 1		Ride Cymbal 1	
	52	Chinese Cymbal		Chinese Cymbal		Power Chinese Cymbal		Reverse Cymbal	
	53	Ride Bell 1		Ride Bell 1		Power Ride Bell		Ride Bell 1	
	54	Tambourine		Tambourine		Tambourine		Tambourine	
	55	Splash Cymbal		Splash Cymbal		Splash Cymbal		Splash Cymbal	
	56	Cowbell		Cowbell		Cowbell		Cowbell	
	57	Power Crash Cymbal 2		Power Crash Cymbal 2		Power Crash Cymbal 2		Power Crash Cymbal 2	
	58	Vibra-slap		Vibra-slap		Vibra-slap		Vibra-slap	
	59	Power Ride Cymbal 1		Power Ride Cymbal 1		Power Ride Cymbal 2		Power Ride Cymbal 1	
C4	60	High Bongo		High Bongo		High Bongo		High Bongo	
	61	Low Bongo		Low Bongo		Low Bongo		Low Bongo	
	62	Mute High Conga		Mute High Conga		Mute High Conga		Mute High Conga	
	63	Open High Conga		Open High Conga		Open High Conga		Open High Conga	
	64	Low Conga		Low Conga		Low Conga		Low Conga	
	65	High Timbale		High Timbale		High Timbale		High Timbale	
	66	Low Timbale		Low Timbale		Low Timbale		Low Timbale	
	67	High Agogo		High Agogo		High Agogo		High Agogo	
	68	Low Agogo		Low Agogo		Low Agogo		Low Agogo	
	69	Cabasa		Cabasa		Cabasa		Cabasa	
	70	Maracas		Maracas		Maracas		Maracas	
	71	Short High Whistle	[EXC2]	Short High Whistle	[EXC2]	Short High Whistle	[EXC2]	Short High Whistle	[EXC2]
C5	72	Long Low Whistle	[EXC2]	Long Low Whistle	[EXC2]	Long Low Whistle	[EXC2]	Long Low Whistle	[EXC2]
	73	Short Guiro	[EXC3]	Short Guiro	[EXC3]	Short Guiro	[EXC3]	Short Guiro	[EXC3]
	74	Long Guiro	[EXC3]	Long Guiro	[EXC3]	Long Guiro	[EXC3]	Long Guiro	[EXC3]
	75	Claves		Claves		Claves		Claves	
	76	High Woodblock		High Woodblock		High Woodblock		High Woodblock	
	77	Low Woodblock		Low Woodblock		Low Woodblock		Low Woodblock	
	78	Mute Cuica	[EXC4]	Mute Cuica	[EXC4]	Mute Cuica	[EXC4]	Mute Cuica	[EXC4]
	79	Open Cuica	[EXC4]	Open Cuica	[EXC4]	Open Cuica	[EXC4]	Open Cuica	[EXC4]
	80	Mute Triangle	[EXC5]	Mute Triangle	[EXC5]	Mute Triangle	[EXC5]	Mute Triangle	[EXC5]
	81	Open Triangle	[EXC5]	Open Triangle	[EXC5]	Open Triangle	[EXC5]	Open Triangle	[EXC5]
	82	Shaker		Shaker		Shaker		Shaker	
	83	Jingle Bell		Jingle Bell		Jingle Bell		Jingle Bell	
C6	84	Bell Tree		Bell Tree		Bell Tree		Bell Tree	
	85	Castanets		Castanets		Castanets		Castanets	
	86	Mute Surdo	[EXC6]	Mute Surdo	[EXC6]	Mute Surdo	[EXC6]	Mute Surdo	[EXC6]
	87	Open Surdo	[EXC6]	Open Surdo	[EXC6]	Open Surdo	[EXC6]	Open Surdo	[EXC6]
	88	-----		-----		-----		-----	

* *-----: No sound.*

* *[EXC]: will not sound simultaneously with other percussion instruments of the same number.*

		ANALOG Set	JAZZ Set	BRUSH Set	ORCH.Set
	27	High Q	High Q	High Q	Jazz Closed Hi-Hat [EXC1]
	28	Slap	Slap	Slap	Jazz Pedal Hi-Hat [EXC1]
		Scratch Push [EXC7]	Scratch Push [EXC7]	Scratch Push [EXC7]	Jazz Open Hi-Hat [EXC1]
	29	Scratch Pull [EXC7]	Scratch Pull [EXC7]	Scratch Pull [EXC7]	Power Ride Cymbal 1
	30	Sticks	Sticks	Sticks	Sticks
	31	Square Click	Square Click	Square Click	Square Click
	32	Metronome Click	Metronome Click	Metronome Click	Metronome Click
	33	Metronome Bell	Metronome Bell	Metronome Bell	Metronome Bell
	34	Electric Kick 2	Jazz Kick 2	Kick Drum 2	Concert Bass Drum 2
	35	TR-808 Kick	Jazz Kick 1	Kick Drum 1	Concert Bass Drum 1
C2	36	TR-808 Rim Shot	Side Stick 2	Side Stick 2	Side Stick 2
	37	TR-808 Snare	Jazz Snare	Brush Tap	Concert Snare Drum
	38	TR-909 Clap	TR-909 Clap	Brush Slap	Castanets
	39	Electric Snare 3	Electric Snare 3	Brush Swirl	Concert Snare Drum
	40	TR-808 Low Tom 2	Jazz Low Tom 2	Brush Low Tom 2	Timpani F
	41	TR-808 Closed Hi-Hat [EXC1]	Jazz Closed Hi-Hat [EXC1]	Brush Closed Hi-Hat [EXC1]	Timpani F#
	42	TR-808 Low Tom 1	Jazz Low Tom 1	Brush Low Tom 1	Timpani G
	43	TR-808 Closed Hi-Hat [EXC1]	Jazz Pedal Hi-Hat [EXC1]	Brush Pedal Hi-Hat [EXC1]	Timpani G#
	44	TR-808 Mid Tom 2	Jazz Mid Tom 2	Brush Mid Tom 2	Timpani A
	45	TR-808 Open Hi-Hat [EXC1]	Jazz Open Hi-Hat [EXC1]	Brush Open Hi-Hat [EXC1]	Timpani A#
	46	TR-808 Mid Tom 1	Jazz Mid Tom 1	Brush Mid Tom 1	Timpani B
	47	TR-808 High Tom 2	Jazz High Tom 2	Brush High Tom 2	Timpani c
C3	48	TR-808 Crash Cymbal	Crash Cymbal	Jazz Crash Cymbal	Timpani c#
	49	TR-808 High Tom 1	Jazz High Tom 1	Brush High Tom 1	Timpani d
	50	Ride Cymbal 1	Jazz Ride Cymbal	Ride Cymbal 2	Timpani d#
	51	Chinese Cymbal	Chinese Cymbal	Brush Crash Cymbal 2	Timpani e
	52	Ride Bell 1	Jazz Ride Bell	Ride Bell 2	Timpani f
	53	Tambourine	Tambourine	Tambourine	Tambourine
	54	Splash Cymbal	Splash Cymbal	Brush Crash Cymbal 1	Splash Cymbal
	55	TR-808 Cowbell	Cowbell	Cowbell	Cowbell
	56	Power Crash Cymbal 2	Power Crash Cymbal 2	Jazz Crash Cymbal	Concert Cymbal 2
	57	Vibra-slap	Vibra-slap	Vibra-slap	Vibra-slap
	58	Power Ride Cymbal 1	Power Ride Cymbal 1	Ride Cymbal	Concert Cymbal 1
	59	High Bongo	High Bongo	High Bongo	High Bongo
C4	60	Low Bongo	Low Bongo	Low Bongo	Low Bongo
	61	TR-808 High Conga	Mute High Conga	Mute High Conga	Mute High Conga
	62	TR-808 Mid Conga	Open High Conga	Open High Conga	Open High Conga
	63	TR-808 Low Conga	Low Conga	Low Conga	Low Conga
	64	High Timbale	High Timbale	High Timbale	High Timbale
	65	Low Timbale	Low Timbale	Low Timbale	Low Timbale
	66	High Agogo	High Agogo	High Agogo	High Agogo
	67	Low Agogo	Low Agogo	Low Agogo	Low Agogo
	68	Cabasa	Cabasa	Cabasa	Cabasa
	69	TR-808 Maracas	Maracas	Maracas	Maracas
	70	Short High Whistle [EXC2]	Short High Whistle [EXC2]	Short High Whistle [EXC2]	Short High Whistle [EXC2]
	71	Long Low Whistle [EXC2]	Long Low Whistle [EXC2]	Long Low Whistle [EXC2]	Long Low Whistle [EXC2]
C5	72	Short Guiro [EXC3]	Short Guiro [EXC3]	Short Guiro [EXC3]	Short Guiro [EXC3]
	73	Long Guiro [EXC3]	Long Guiro [EXC3]	Long Guiro [EXC3]	Long Guiro [EXC3]
	74	TR-808 Claves	Claves	Claves	Claves
	75	High Woodblock	High Woodblock	High Woodblock	High Woodblock
	76	Low Woodblock	Low Woodblock	Low Woodblock	Low Woodblock
	77	Mute Cuica [EXC4]	Mute Cuica [EXC4]	Mute Cuica EXC4]	Mute Cuica [EXC4]
	78	Open Cuica [EXC4]	Open Cuica [EXC4]	Open Cuica [EXC4]	Open Cuica [EXC4]
	79	Mute Triangle [EXC5]	Mute Triangle [EXC5]	Mute Triangle [EXC5]	Mute Triangle [EXC5]
	80	Open Triangle [EXC5]	Open Triangle [EXC5]	Open Triangle [EXC5]	Open Triangle [EXC5]
	81	Shaker	Shaker	Shaker	Shaker
	82	Jingle Bell	Jingle Bell	Jingle Bell	Jingle Bell
	83	Bell Tree	Bell Tree	Bell Tree	Bell Tree
C6	84	Castanets	Castanets	Castanets	Castanets
	85	Mute Surdo [EXC6]	Mute Surdo [EXC6]	Mute Surdo [EXC6]	Mute Surdo [EXC6]
	86	Open Surdo [EXC6]	Open Surdo [EXC6]	Open Surdo [EXC6]	Open Surdo [EXC6]
	87	-----	-----	-----	Applause
	88				

* *-----: No sound.*

* *[EXC]: will not sound simultaneously with other percussion instruments of the same number.*

SFX Set

	27	-----
	28	-----

	29	-----
	30	-----
	31	-----
	32	-----
	33	-----
	34	-----
	35	-----
C2	36	-----
	37	-----
	38	-----
	39	High Q
	40	Slap
		Scratch Push [EXC7]
	41	Scratch Pull [EXC7]
	42	Sticks
	43	Square Click
	44	Metronome Click
	45	Metronome Bell
	46	Guitar Fret Noise
	47	Guitar Cutting Noise Up
C3	48	Guitar Cutting Noise Down
	49	String Slap of Double Bass
	50	Fl.Key Click
	51	Laughing
	52	Screaming
		Punch
	53	Heart Beat
	54	Footsteps 1
	55	Footsteps 2
	56	Applause
	57	Door Creaking
	58	Door
	59	Scratch
C4	60	Wind Chimes
	61	Car-Engine
	62	Car-Stop
	63	Car-Pass
	64	Car-Crash
		Siren
	65	Train
	66	Jet Plane
	67	Helicopter
	68	Starship
	69	Gun Shot
	70	Machine Gun
	71	Laser Gun
C5	72	Explosion
	73	Dog
	74	Horse-Gallop
	75	Birds
	76	Rain
		Thunder
	77	Wind
	78	Seashore
	79	Stream
	80	Bubble
	81	-----
	82	-----
	83	-----
C6	84	-----
	85	
	86	
	87	
	88	

* *-----: No sound.*

* *[EXC]: will not sound simultaneously with other percussion instruments of the same number.*

Music Files That the VIMA Can Use

What Are Music Files?

Music files contains musical information such as how long the key for a corresponding pitch is played, the force applied to the key played, and other such information. Performance data is transmitted to the VIMA from music files saved in USB memory and CD-ROM, and played back without change as songs. This is different than a audio CD, since the music file does not contain a recording of the sound itself. This makes it possible to change tempos and keys freely, allowing you to use it in many different ways.

Regarding Copyright

Use of the song data supplied with the CD-ROM attached to this product for any purpose other than private, personal enjoyment without the permission of the copyright holder is prohibited by law. Additionally, this data must not be copied, nor used in a secondary copyrighted work without the permission of the copyright holder.

Please be aware that if you create derivative works that are based on existing copyrighted material, such as commercially available SMF music files, such works may violate copyright law if used for any purpose other than personal enjoyment. Roland takes no responsibility for any copyright violation you may commit by creating such works.

The VIMA Allows You To Use the Following Music Files

VIMA TUNES

VIMA TUNES is a Roland specification for music files that contains image and lyric data, allowing you to enjoy songs with lyrics and images simultaneously. When data bearing the "VIMA TUNES" logo is played back on a device that bears the same logo, lyrics can be shown on the screen of a connected external display or television, letting you enjoy karaoke or watch a slide show.

SMF Music Files

SMFs (Standard MIDI Files) use a standard format for music file that was formulated so that files containing music file could be widely compatible, regardless of the manufacturer of the listening device. An enormous variety of music is available, whether it be for listening, for practicing musical instruments, for Karaoke, etc.

SMF with Lyrics

"SMF with Lyrics" refers to SMF (Standard MIDI File) that contains the lyrics. When Music Files carrying the "SMF with Lyrics" logo are played back on the VIMA, the lyrics will appear in its display.

General MIDI

The General MIDI is a set of recommendations which seeks to provide a way to go beyond the limitations of proprietary designs, and standardize the MIDI capabilities of sound generating devices. Sound generating devices and music files that meets the General MIDI standard bears the General MIDI logo. Music files bearing the General MIDI logo can be played back using any General MIDI sound generating unit to produce essentially the same musical performance.

General MIDI 2

The upwardly compatible General MIDI 2 recommendations pick up where the original General MIDI left off, offering enhanced expressive capabilities, and even greater compatibility. Issues that were not covered by the original General MIDI recommendations, such as how sounds are to be edited, and how effects should be handled, have now been precisely defined. Moreover, the available sounds have been expanded. General MIDI 2 compliant sound generators are capable of reliably playing back music files that carry either the General MIDI or General MIDI 2 logo.

In some cases, the conventional form of General MIDI, which does not include the new enhancements, is referred to as "General MIDI 1" as a way of distinguishing it from General MIDI 2.

GS Format

The GS Format is Roland's set of specifications for standardizing the performance of sound generating devices. In addition to including support for everything defined by the General MIDI, the highly compatible GS Format additionally offers an expanded number of sounds, provides for the editing of sounds, and spells out many details for a wide range of extra features, including effects such as reverb and chorus. Designed with the future in mind, the GS Format can readily include new sounds and support new hardware features when they arrive. Since it is upwardly compatible with the General MIDI, Roland's GS Format is capable of reliably playing back GM Scores equally as well as it performs GS music files (music files that have been created with the GS Format in mind).

XG lite

XG is a tone generator format of YAMAHA Corporation, that defines the ways in which voices are expanded or edited and the structure and type of effects, in addition to the General MIDI 1 specification. XGlite is a simplified version of XG tone generation format. You can play back any XG music files using an XGlite tone generator. However, keep in mind that some music files may play back differently compared to the original files, due to the reduced set of control parameters and effects.

The VIMA's Screens

Main Screen → p. 23

Setting Screens (Menu Screen, Setting Screen)

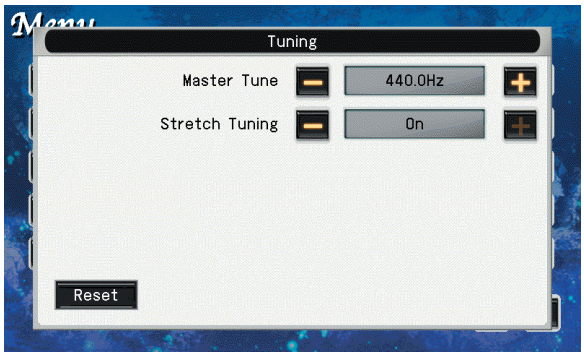
Here you can make detailed adjustments such as the keyboard sensitivity (key touch) and the amount of microphone echo.

Menu Screen

Select the item you want to change.

Setting Screen

Press the [−] [+] button to change the desired setting.



If you touch <Reset>, the items in the currently open setting screen will be restored to their initial settings.

If you press one of the following buttons, the corresponding setting screen will appear automatically.
[PIANO ROLL] button
[SLIDE SHOW] button
[VOCAL EFFECTS] button

These screens will disappear automatically after a few seconds unless you touch the screen to modify a setting or touch <Hold>. To close the setting screen, touch <Hold> once again or press the [EXIT] button.

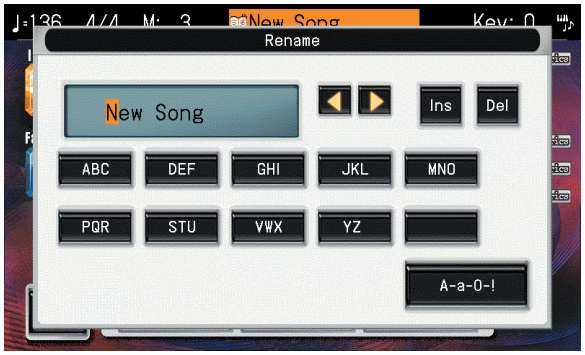
User Tone Setting Screen

Here you can assign your favorite sounds to the three INSTRUMENT buttons [1], [2], and [3].

MEMO The sounds you assign (user tones) are remembered even when the VIMA's power is off, so you'll find it convenient to register your favorites as user sounds. For a list of the available sounds, refer to "Tone List" (p. 146).

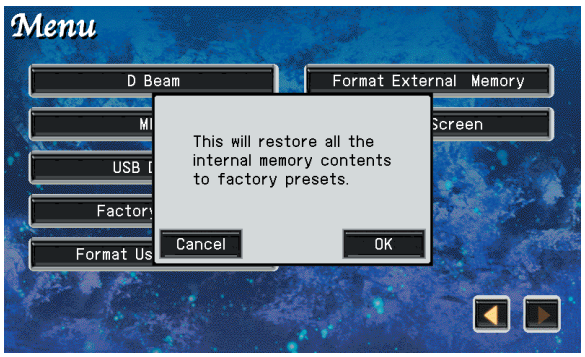
Rename Screen

Here you can rename a song. After you've recorded a song, it's a good idea to rename it when saving the song in "Favorites."



Messages

The VIMA will sometimes show screens that ask you to confirm an operation, or that indicate error or other messages.



Recreational Keyboard
Model RK-500

MIDI Implementation Chart

Date : July 1, 2006
Version : 1.00

Function...		Transmitted	Recognized	Remarks
Basic Channel	Default	1	1–16	
	Changed	1–16	1–16	
Mode	Default	Mode 3	Mode 3	
	Messages	x	Mode 3, 4(M=1)	* 2
	Altered	**********		
Note Number :	True Voice	15–113, 119–127	0–127	
		**********	0–127	
Velocity	Note ON	O	O	
	Note OFF	O	O	
After Touch	Key's	x	O *1	
	Ch's	x	O *1	
Pitch Bend		x	O	
Control Change	0, 32	O	O *1	Bank select
	1	x	O *1	Modulation
	5	x	O *1	Portamento time
	6, 38	x	O *1	Data entry
	7	x	O *1	Volume
	10	x	O *1	Panpot
	11	x	O *1	Expression
	64	O	O *1	Hold 1
	65	x	O *1	Portamento
	66	O	O *1	Sostenuto
	67	O	O *1	Soft
	84	x	O	Portamento control
	91	O	O (Reverb)	Effect1 depth
	93	x	O (Chorus)	Effect3 depth
	98, 99	x	O *1	NRPN LSB, MSB
	100, 101	x	O *1	RPN LSB, MSB
Prog Change	: True #	0–127	O	
		**********	0–127	Program number 1–128
System Exclusive		O	O	
System Common	: Song Pos	x	x	
	: Song Sel	x	x	
	: Tune	x	x	
System Real Time	: Clock	O	x	
	: Commands	O	x	
Aux Message	: All sound off	x	O (120, 126, 127)	
	: Reset all controllers	x	O	
	: Local Control	x	O	
	: All Notes OFF	x	O (123–125)	
	: Active Sense	O	O	
	: Reset	x	x	
Notes		* 1 O x is selectable by Sys Ex. * 2 Recognized as M=1 even if M≠1.		

Mode 1 : OMNI ON, POLY
Mode 2 : OMNI ON, MONO
Mode 3 : OMNI OFF, POLY
Mode 4 : OMNI OFF, MONO

O : Yes
X : No

Specifications

RK-500: VIMA Recreational Keyboard

<Keyboard>	
Keyboard	88 keys (Progressive hammer action keyboard with escapement)
Touch Sensitivity	Medium, Heavy, Light, Fixed
<Sound Generator> Conforms to GM2 / GM / GS / XG Lite	
Max. Polyphony	128 voices
Tones	264 tones Drum Set: 8 drum sets + Sound Effects, Manual Drums
Master Tune	415.3 Hz–466.2 Hz (adjustable in increments of 0.1 Hz)
Stretched Tuning	On, Off
Key Control	Keyboard, Song, Keyboard&Song -6–+5 (in semitones)
Effects	Reverb (Off, 1–10)
<Player>	
Tempo	50–200 % (Quarter Note=10–500)
Beat	2/2, 2/4, 3/4, 4/4, 5/4, 6/4, 7/4, 3/8, 6/8, 9/8, 12/8
Melody Channel	1–16
Count	Count In, Countdown, Count In/down
Melody	Mute (Center Cancel), Guide
Others	Recommended Tone, Demo, Remote Control
<Memory>	
CD Drive (playback only)	File System: CD-ROM (ISO9660 Level 1), Audio CD Playable Software: Standard MIDI Files (Format 0/1), JPEG picture
USB Memory	Playable Software: Standard MIDI Files (Format 0/1), JPEG picture Save: Standard MIDI Files (Format 0)
Internal Memory	Over 60 songs Approx. 400 photos
User Memory (Favorites)	128MBytes
<D Beam Controller>	
D Beam Controller	Pitch, Filter, Volume, Snare Roll, Applause, Wind Chime
<Video>	
Video	Piano Roll Slide Show DigiScore Lyrics CAM 1 CAM 2 DVD Ext In Transition

<Others>	
Rated Power Output	50 W x 2
Speakers	20 cm x 2, 8 cm x 2
Display	Graphical Color LCD (TFT) 800 x 480 dots (with backlit)
Lyrics	Yes (Built-in Display, External Display)
Pedals	Damper (half-pedal recognition) Soft (half-pedal recognition) Sostenuto
Vocal Echo	Type 1, Type 2
Vocal Effects	Kids, Bear, Robot, Duck, Alien, Computer, Female, Male, Pitch Correct, Music Files
USB (MIDI)	Operating System Windows: XP Home SP2 or later/XP Professional SP2 or later Macintosh: Mac OS X v10.2 or later
Connectors	AUDIO OUTPUT jacks (L/MONO, R) EXPRESSION jack VIDEO INPUT jacks CAM 1 jacks (VIDEO, S-VIDEO) CAM 2 jacks (VIDEO, S-VIDEO) VIDEO OUTPUT jacks (VIDEO, S-VIDEO) ANALOG RGB OUT Connector (15-pin D-Sub type) USB Connector EXT IN jacks (VIDEO, L, R) PHONES jack (Stereo) x 2 VOCAL jacks x 2 DVD PLAYER INPUT jacks (VIDEO, S-VIDEO, L, R) MIDI connector (IN, OUT) External memory connector
Power Supply	AC 115 V, AC 117 V, AC 220 V, AC 230 V, AC 240 V (50/60 Hz)
Power Consumption	230 W
Dimensions (Including stand)	1395 (W) x 568 (D) x 851 (H) mm 54-15/16 (W) x 22-3/8 (D) x 33-9/16 (H) inches 1395 (W) x 611 (D) x 1030 (H) mm (including the music rest) 54-15/16 (W) x 24-1/16 (D) x 40-9/16 (H) inches (including the music rest)
Weight	Body: 56 kg / 123 lbs 8 oz Stand: 27 kg / 59 lbs 9 oz

Accessories	Owner's Manual Application Guide CD-ROM (Roland Photo & Music–Sample Disc) Note ID Label (two types) Drum Key-Map Label Remote Control Dry-cell Battery x 2 Key Cover Music Rest Power Cord Headphones Hook
Options	Camera Stand: BST-RK500 DVD Stand: DST-RK500 USB memory Expression Pedal: EV-5, EV-7

* *In the interest of product improvement, the specifications and/or appearance of this unit are subject to change without prior notice.*

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As of August 1, 2006 (ROLAND)

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This product complies with the requirements of European Directives EMC 89/336/EEC and LVD 73/23/EEC.

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This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) This device must accept any interference received, including interference that may cause undesired operation.

Unauthorized changes or modification to this system can void the users authority to operate this equipment.
This equipment requires shielded interface cables in order to meet FCC class B Limit.

For Canada

NOTICE

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

AVIS

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

For the USA

DECLARATION OF CONFORMITY Compliance Information Statement

Model Name :	RK-500
Type of Equipment :	Digital Keyboard
Responsible Party :	Roland Corporation U.S.
Address :	5100 S. Eastern Avenue, Los Angeles, CA 90040-2938
Telephone :	(323) 890-3700

This product must be disposed of separately at your local waste recycling centre.
Do not dispose of in household waste bin.

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